zenith

SERVICE MANUAL

Product Type: DVD+VCR
Chassis: D35 (DECK), DP5 (MD), DP-7C(MD)
Manual Series: XBV342
Manual Part #: 3829RGN001V
Model Line: C
Product Year: 2003

Model Series:

ABV341
XBV342
XBV343

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SECTION 1

SUMMARY

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PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audio-video service technicians.

When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent x-radiation, shock and fire hazard. These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way. Never perform customized installations without manufacturer's approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

GRAPHIC SYMBOLS

The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated "dangerous voltage" that may be of sufficient magnitude to constitute a risk of electric shock.

The pictorial representation of a fuse and its rating within an equilateral triangle is intended to convey to the service personnel the following fuse replacement caution notice:

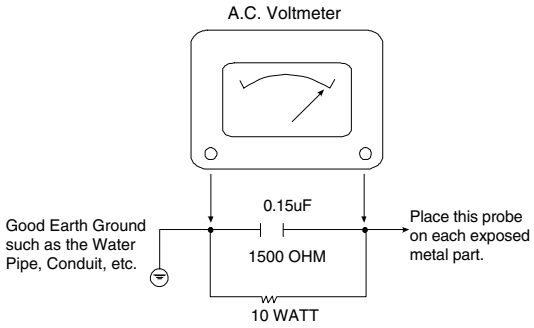
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ALL FUSES WITH THE SAME TYPE AND RATING AS MARKED NEAR EACH FUSE.

SERVICE INFORMATION

While servicing, use an isolation transformer for protection from AC line shock. After the original service problem has been corrected, make a check of the following:

FIRE AND SHOCK HAZARD

1. Be sure that all components are positioned to avoid a possibility of adjacent component shorts. This is especially important on items trans-ported to and from the repair shop.
2. Verify that all protective devices such as insulators, barriers, covers, shields, strain reliefs, power supply cords, and other hardware have been reinstalled per the original design. Be sure that the safety purpose of the polarized line plug has not been defeated.
3. Soldering must be inspected to discover possible cold solder joints, solder splashes, or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, for frayed leads or damaged insulation (including the AC cord), and replace if necessary.
5. No lead or component should touch a high current device or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. After reassembly of the set, always perform an AC leakage test on all exposed metallic parts of the cabinet (the channel selector knobs, antenna terminals, handle and screws) to be sure that set is safe to operate without danger of electrical shock. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST. Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm, 10 watt resistor, paralleled by a .15 mfd 150V AC type capacitor between a known good earth ground water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and .15 mfd capacitor. Reverse the AC plug by using a non-polarized adaptor and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts RMS. This corresponds to 0.5 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



TIPS ON PROPER INSTALLATION

1. Never install any receiver in a closed-in recess, cubbyhole, or closely fitting shelf space over, or close to, a heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as: outdoor patio installations where dew is a factor, near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct venting. The customer should also avoid the use of decorative scarves or other coverings that might obstruct ventilation.
4. Wall- and shelf-mounted installations using a commercial mounting kit must follow the factory-approved mounting instructions. A product mounted to a shelf or platform must retain its original feet (or the equivalent thickness in spacers) to provide adequate air flow across the bottom. Bolts or screws used for fasteners must not touch any parts or wiring. Perform leakage tests on customized installations.
5. Caution customers against mounting a product on a sloping shelf or in a tilted position, unless the receiver is properly secured.
6. A product on a roll-about cart should be stable in its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against using extension cords. Explain that a forest of extensions, sprouting from a single outlet, can lead to disastrous consequences to home and family.

SERVICING PRECAUTIONS

CAUTION: Before servicing the DVD+VCR covered by this service data and its supplements and addends, read and follow the *SAFETY PRECAUTIONS. NOTE:* if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publications, always follow the safety precautions.
Remember Safety First:

General Servicing Precautions

1. Always unplug the DVD+VCR AC power cord from the AC power source before:
   (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
   (2) Disconnecting or reconnecting any internal electrical plug or other electrical connection.
   (3) Connecting a test substitute in parallel with an electrolytic capacitor.
   Caution: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this DVD+VCR or any of its assemblies.

3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator.
   Unless specified otherwise in this service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket B+ voltage interlocks with whitch instruments covered by this service manual might be equipped.

5. Do not apply AC power to this DVD+VCR and / or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

6. Always connect the test instrument ground lead to an appropriate ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.
Note 1: Accessible Conductive Parts include Metal panels, Input terminals, Earphone jacks,etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components.
The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified as “anti-static” can generate electrical charges sufficient to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate an electrical charge sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil,or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SPECIFICATIONS

General

Power requirements	AC 120V ,60 Hz
Power consumption	23W
Dimensions (approx.)	430 X 97.5 X 293 mm (16.9 x 3.9 x 11.5 inches)(w x h x d)
Mass (approx.)	4.8 kg (10.58 lbs)
Operating temperature	5 °C to 40 °C (41 °F to 104 °F)
Operating humidity	5 % to 90 %
Signal system	NTSC

Inputs

ANTENNA IN	Antenna or CATV input,75 ohms
VHS VIDEO IN	1 Vp-p 75 ohms,sync negative,RCA jack x 1
VHS AUDIO IN	-6.0 dBm more than 47 ohms,RCA jack (L,R)x 1

Outputs

VIDEO OUT	1 Vp-p 75 ohms,sync negative
S-VIDEO OUT	(Y)1.0 V (p-p),75 ohms,negative sync,Mini DIN 4-pin x 1 (C)0.3 V (p-p)75 ohms
COMPONENT VIDEO OUT	(Y)1.0 V (p-p),75 ohms,negative sync,RCA jack x 1 (Pb)/(Pr)0.7 V (p-p),75 ohms,RCA jack x 2
Audio output (digital audio)	0.5 V (p-p),75 ohms,RCA jack x 1
Audio output (analog audio)	2.0 Vrms (1 KHz,0 dB),330 ohms,RCA jack (L,R)x 1
RF OUT Channel	3 or 4

VCR Specifications

Head system	Four head helical scan azimuth system
TTimer	12-hour display type with AM,PM
Tape speed	SP:33.35 mm/sec,LP:16.67 mm/sec,SLP:11.12 mm/sec
Tape width	12.7 mm
Maximum recording time	SP:2 HOURS (T-120),SLP:6 HOURS (T-120)/8 HOURS (T-160)
Rewind time	About 3 minutes (T-120)
Antenna	75 ohms (VHF/UHF)
VHF output signal	Channel 3 or 4 (Switchable)
Channel coverage	VHF:2-13,UHF:14-69,CATV:1-125 (4A,A-W,W+1 -W+84,A-5 -A-1)
Frequency range	20Hz to 20kHz
Signal-to-noise ratio	More than 43dB
Dynamic range	More than 88 dB
Channel separation	More than 60 dB

DVD Specifications

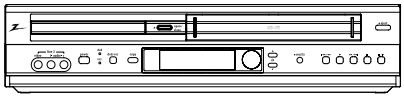
Laser system	Semiconductor laser,wavelength 650 nm
Frequency response	DVD (PCM 96 kHz):8 Hz to 44 kHz, DVD (PCM 48 kHz):8 Hz to 22 kHz CD:8 Hz to 20 kHz
Signal-to-noise ratio	More than 100dB (ANALOG OUT jacks only)
Harmonic distortion	Less than 0.008%
Dynamic range	More than 95 dB (DVD/CD)

Accessories:

Video cable x 1,Audio cable x 1,RF 75-ohm Coaxial Cable x 1,Remote control x 1,Batteries x 2

• Design and specifications are subject to change without prior notice.

FRONT VIEW (XBV342)



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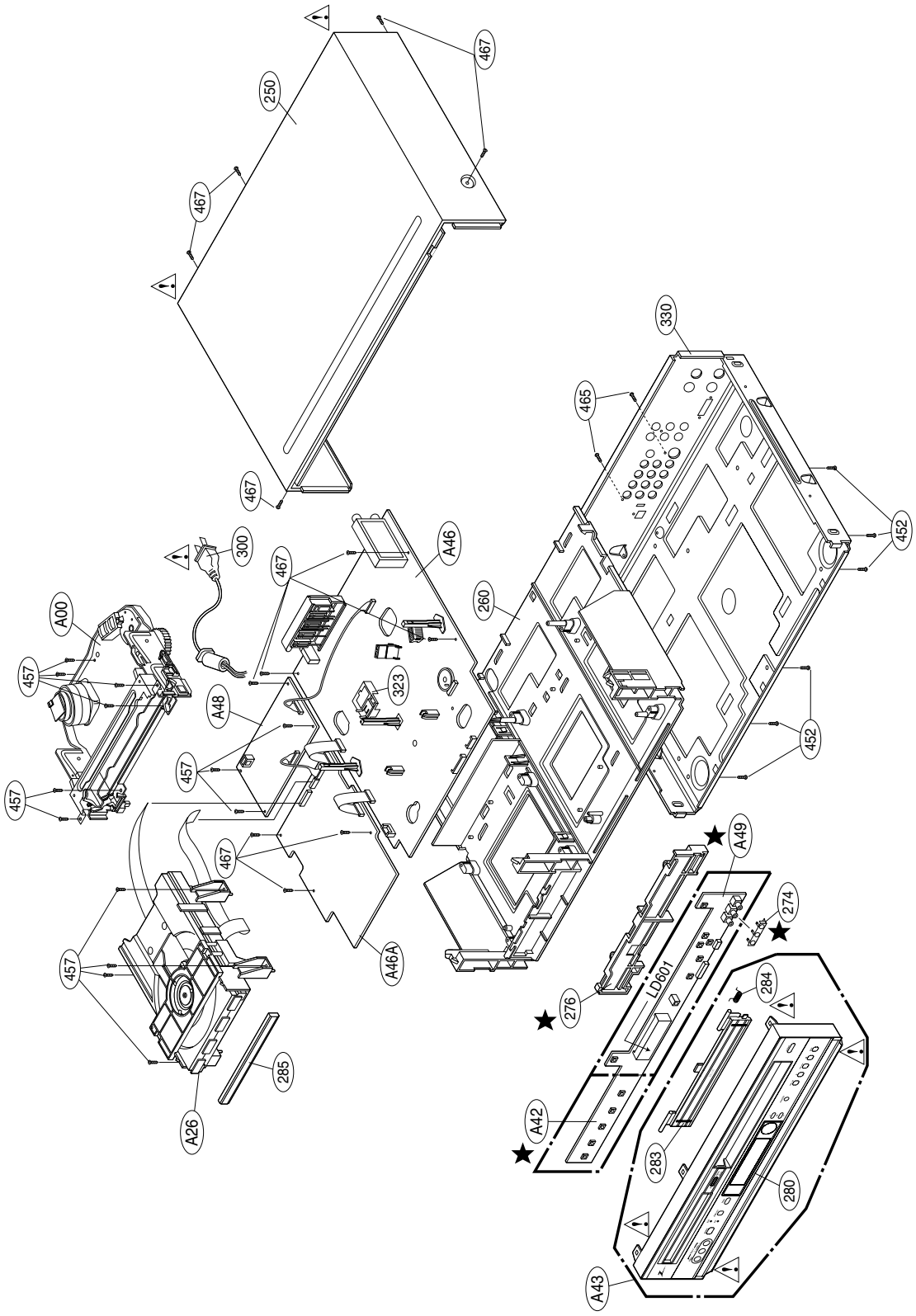
EXPLODED VIEWS

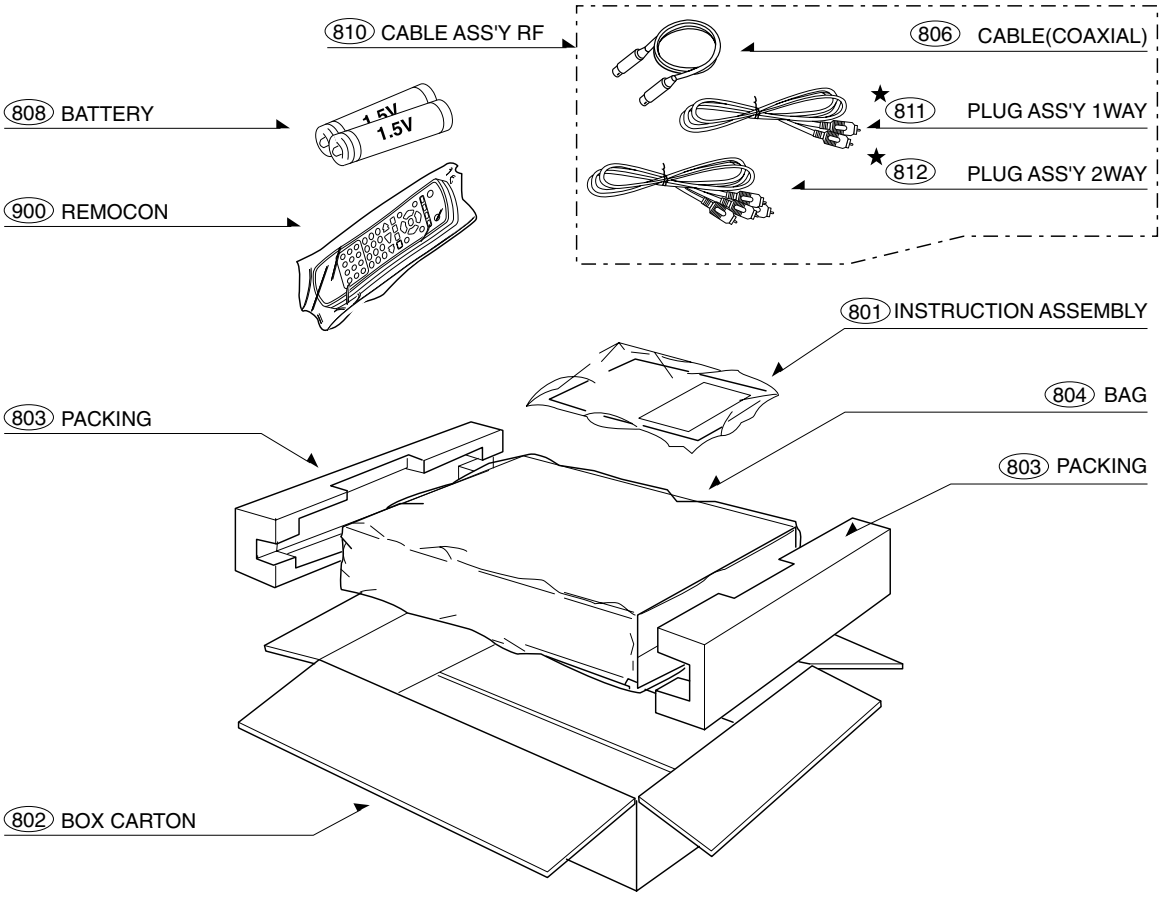
1. Cabinet and Main Frame Section

★OPTIONAL PARTS



2.Packing Accessory Section

★OPTIONAL PARTS



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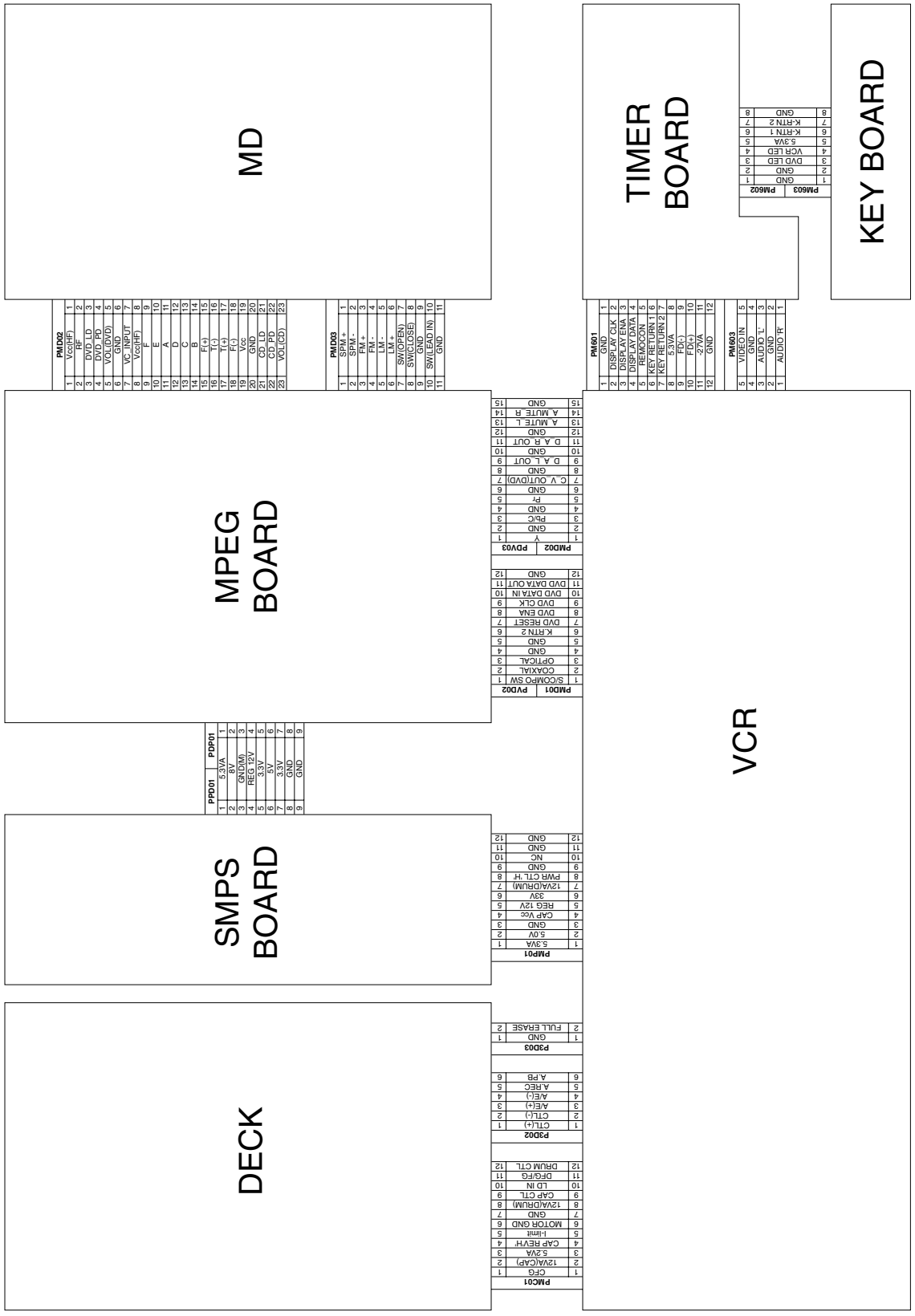
OVERALL WIRING DIAGRAM



VCR PART
ELECTRICAL ADJUSTMENT PROCEDURES

1. Servo Adjustment

1) PG Adjustment

• Test Equipment
a) OSCILLOSCOPE
b) NTSC MODEL : NTSC SP TEST TAPE

• Adjustment And Specification

MODE	MEASUREMENT POINT	ADJUSTMENT POINT	SPECIFICATION
PLAY	V.Out H/SW(W861, W862)	R/C TRK JIG KEY	6.5 ± 0.5H

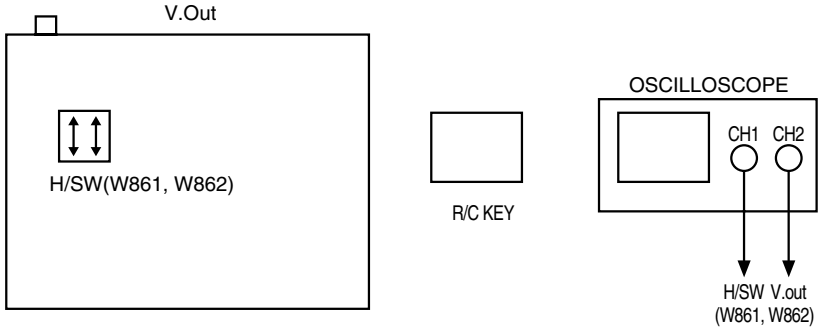
• Adjustment Procedure

a) Insert the SP Test Tape and play.
b) Connect the CH1 of the oscilloscope to the H/SW(W861, W862) and CH2 to the Video Out for the VCR.
c) Trigger the mixed Combo Video Signal of CH2 to the CH1 H/SW(W861, W862), and then check the distance (time difference), which is from the selected A(B) Head point of the H/SW(W861, W862) signal to the starting point of the vertical synchronized signal, to 6.5H ± 0.5H (412μs, 1H=63μs).
Note - Adjust the distance of X, pressing the Tracking(+) or Tracking(-) when the “ATR” is blink after the SP Test Tape is inserted.

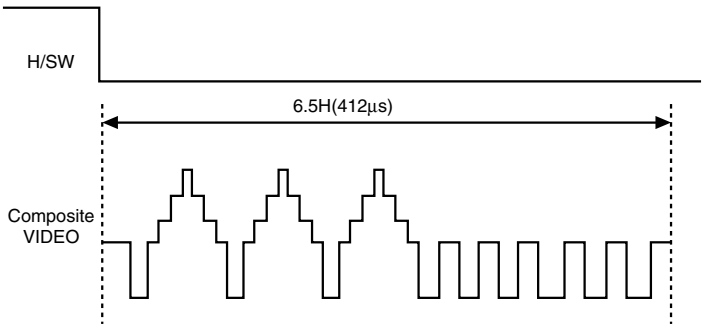
• PG Adjustment Method

a-1) Payback the SP standard tape
b-2) Press the “OK(ENTER)” key on the Remote controller and the “REC” key on the Front Panel the same time, then it goes in to Tracking initial mode.
c-3) Repeat the above step(No.b-2), then it finishes the PG adjusting automatically.
d-4) Stop the playback, then it goes out to PG adjusting mode after mony the PG data.

• CONNECTION



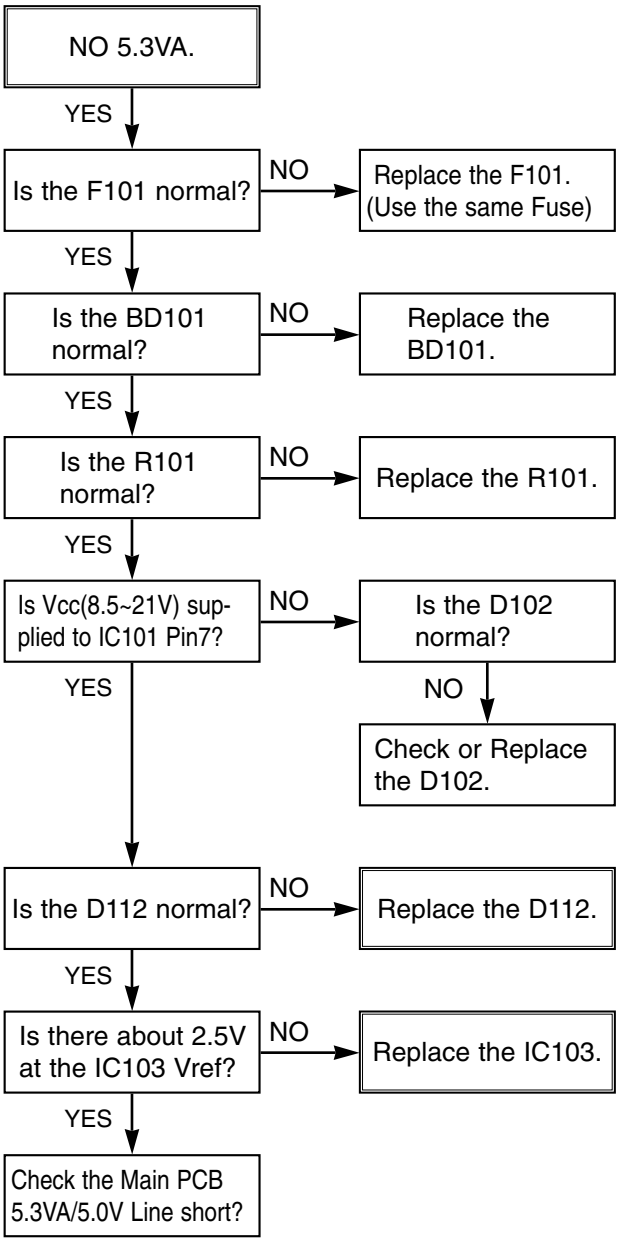
• WAVEFORM



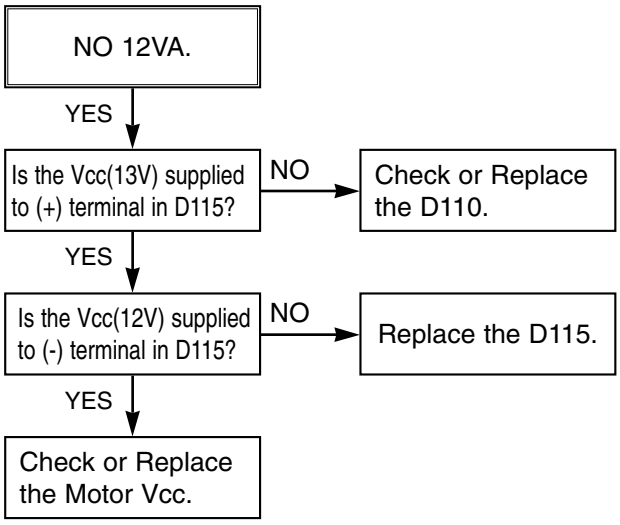
ELECTRICAL TROUBLESHOOTING GUIDE

1. Power(SMPS) CIRCUIT

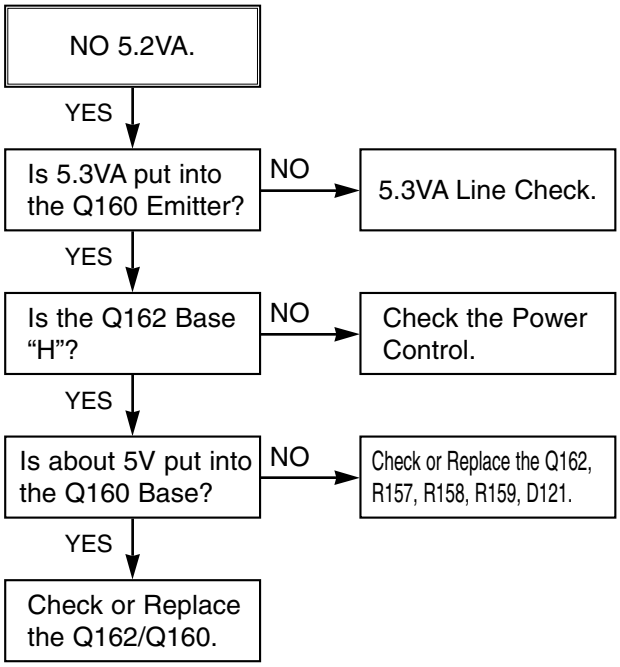
(1) No 5.3VA (SYS/Hi-Fi/TUNER)



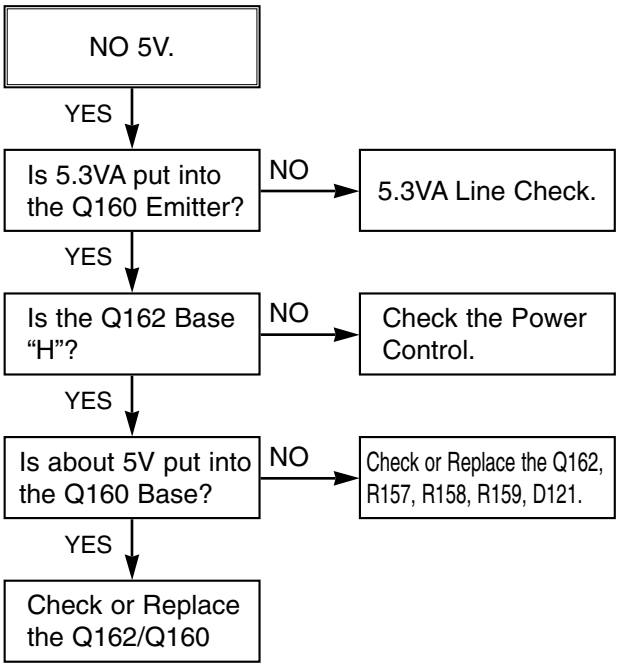
(2) No 12VA (TO CAP, DRUM MOTOR)



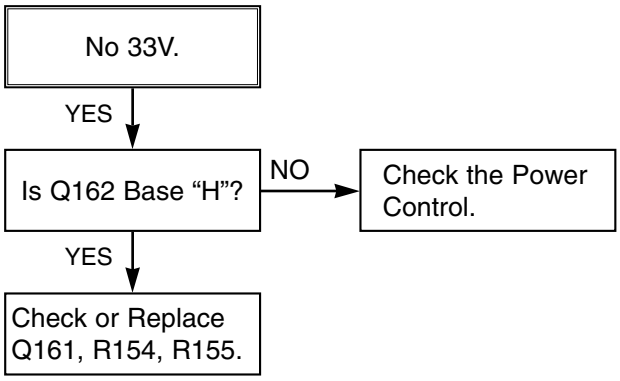
(3) No 5.2V (SYS/Hi-Fi/TUNER)



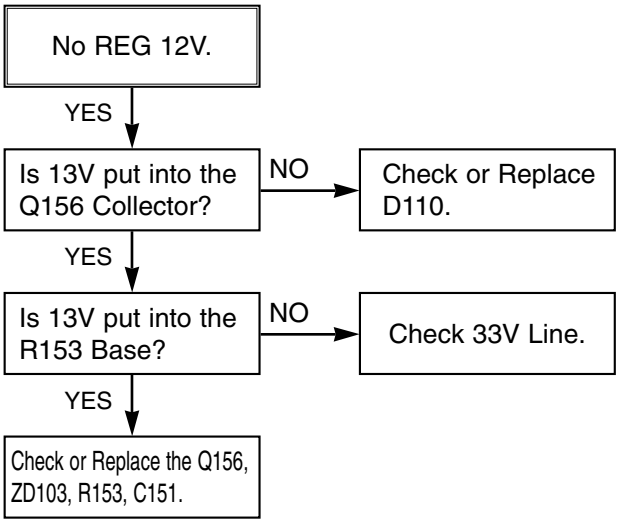
(4) No 5V (TO DVD)



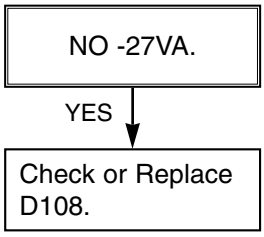
(5) No 33V (TUNER)



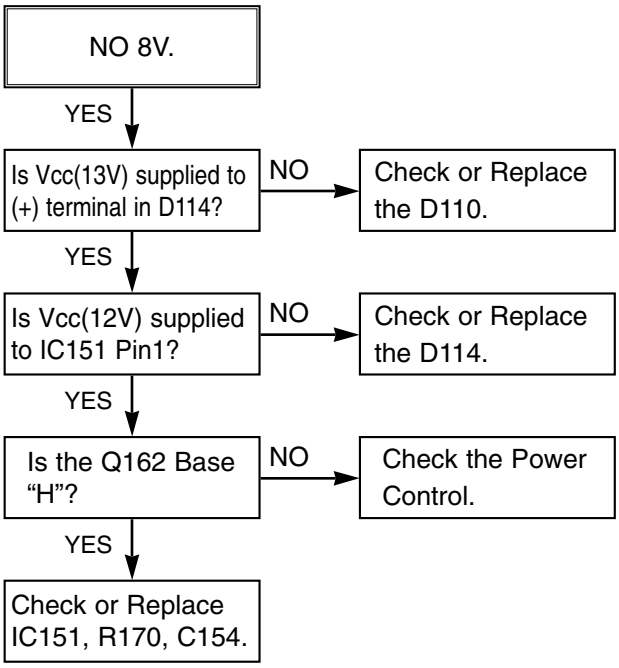
(6) No REG 12V



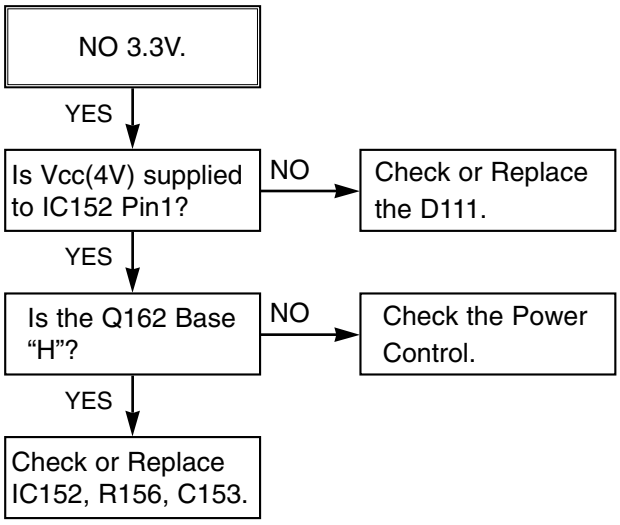
(7) No -27VA



(8) No 8V(TO DVD)

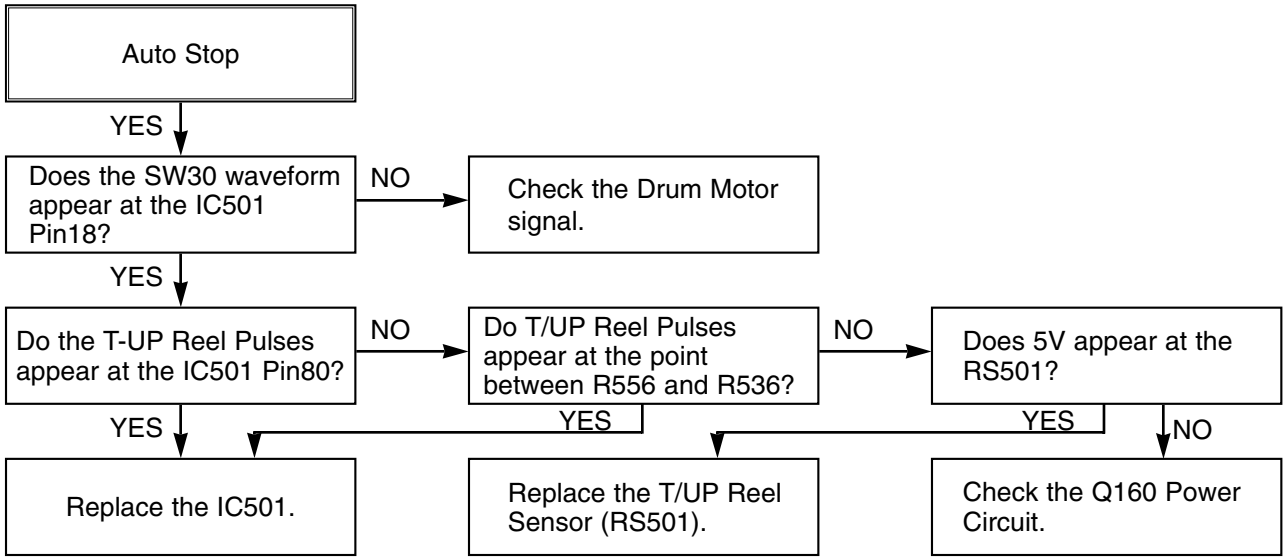


(9) No 3.3V(TO DVD)

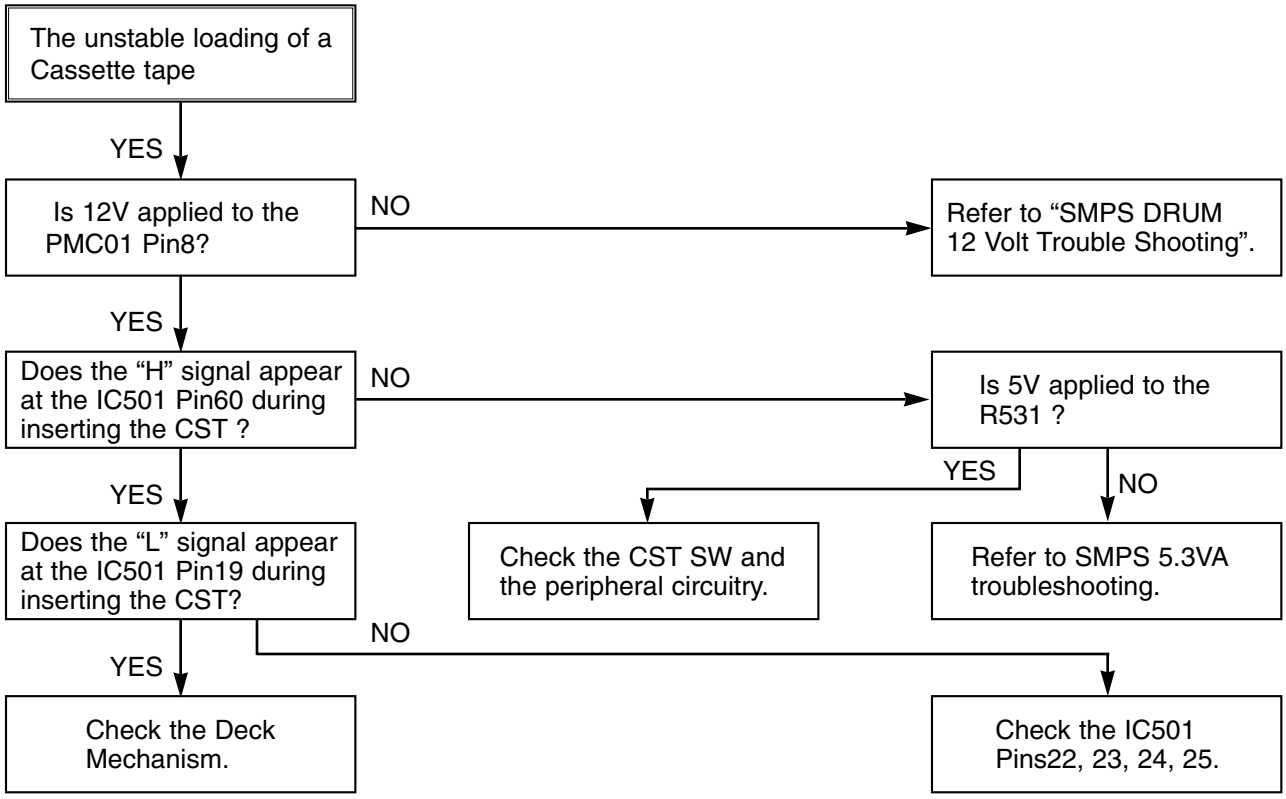


2. SYSTEM/KEY CIRCUIT

(1) AUTO STOP



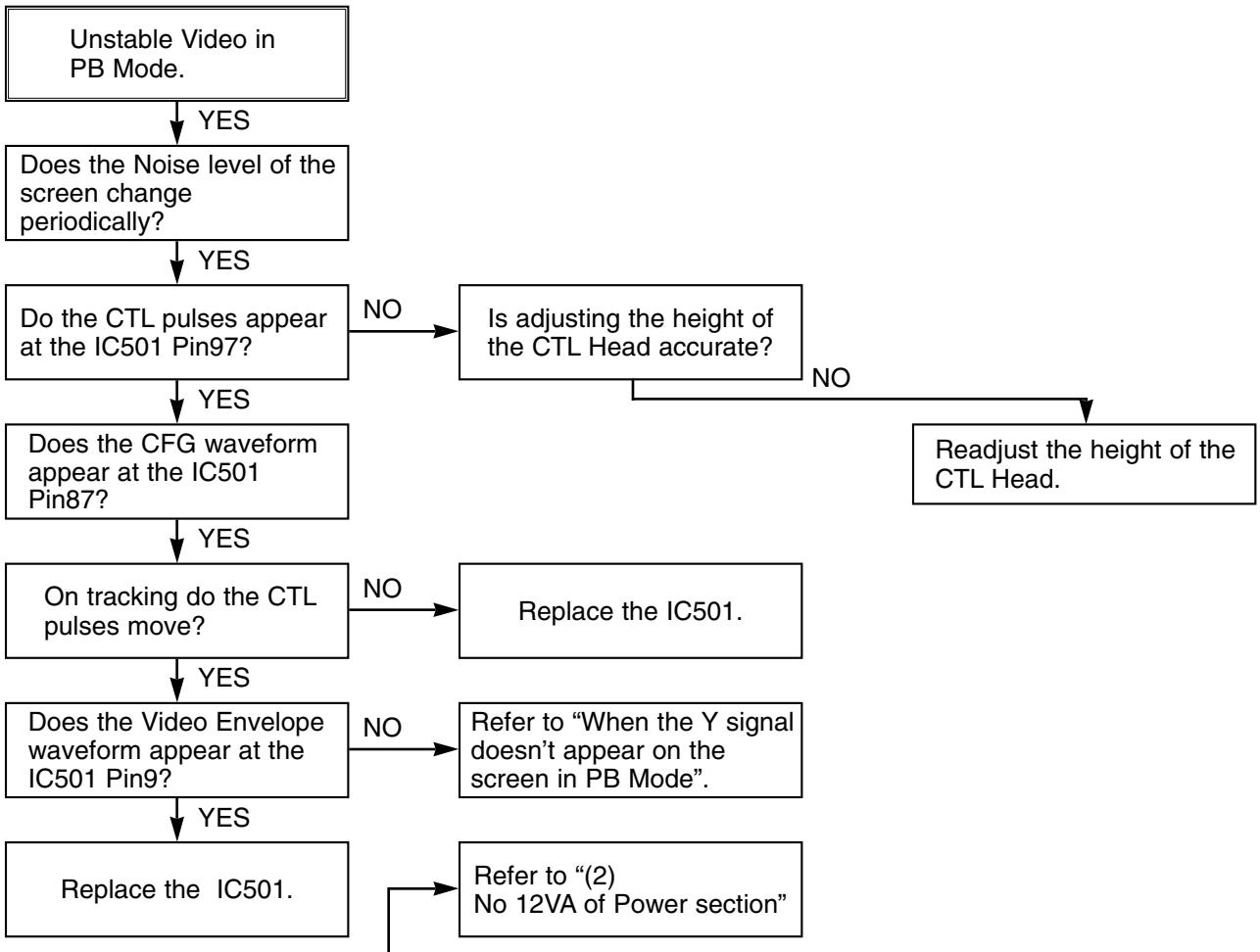
(2) The unstable loading of a Cassette tape


The unstable loading of a Cassette tape
YES
Is 12V applied to the PMC01 Pin8?
NO
Refer to “SMPS DRUM 12 Volt Trouble Shooting”.
YES
Does the “H” signal appear at the IC501 Pin60 during inserting the CST ?
NO
Is 5V applied to the R531 ?
YES
NO
YES
Does the “L” signal appear at the IC501 Pin19 during inserting the CST?
Check the CST SW and the peripheral circuitry.
Refer to SMPS 5.3VA troubleshooting.
NO
YES
Check the Deck Mechanism.
Check the IC501 Pins22, 23, 24, 25.

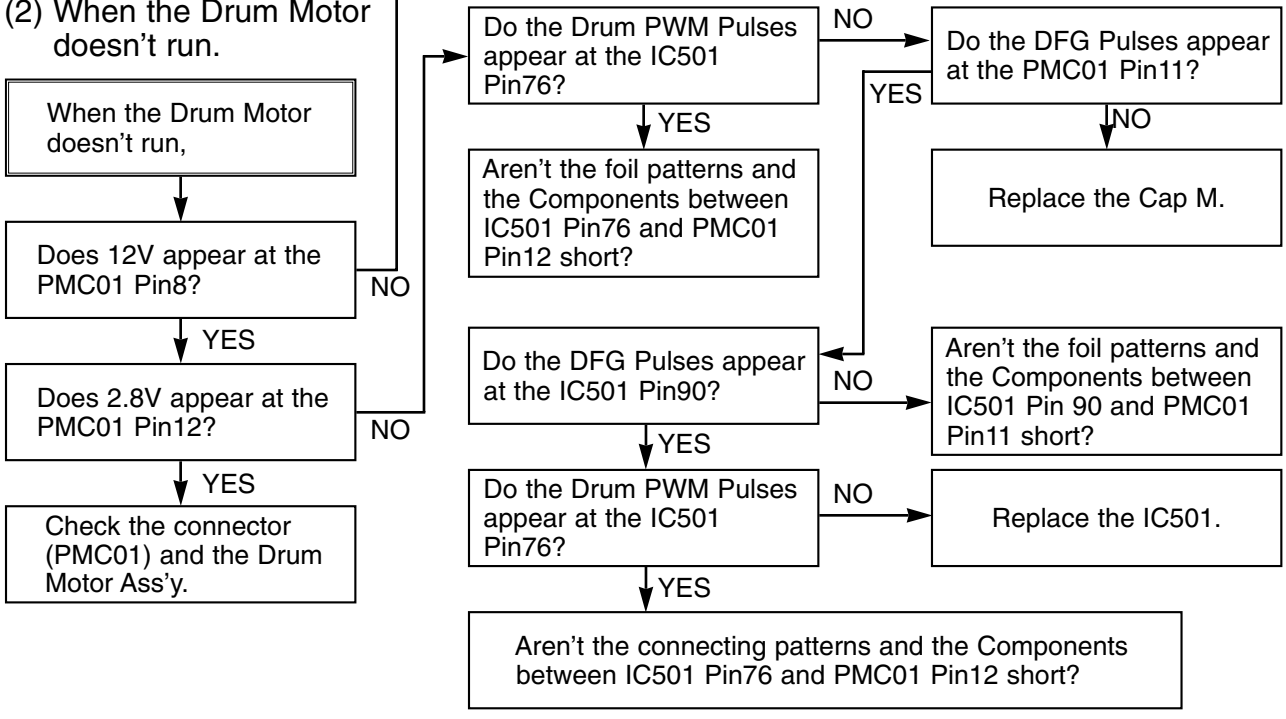
Caution : Auto stop can occur because Grease or Oil is dried up

3. SERVO CIRCUIT

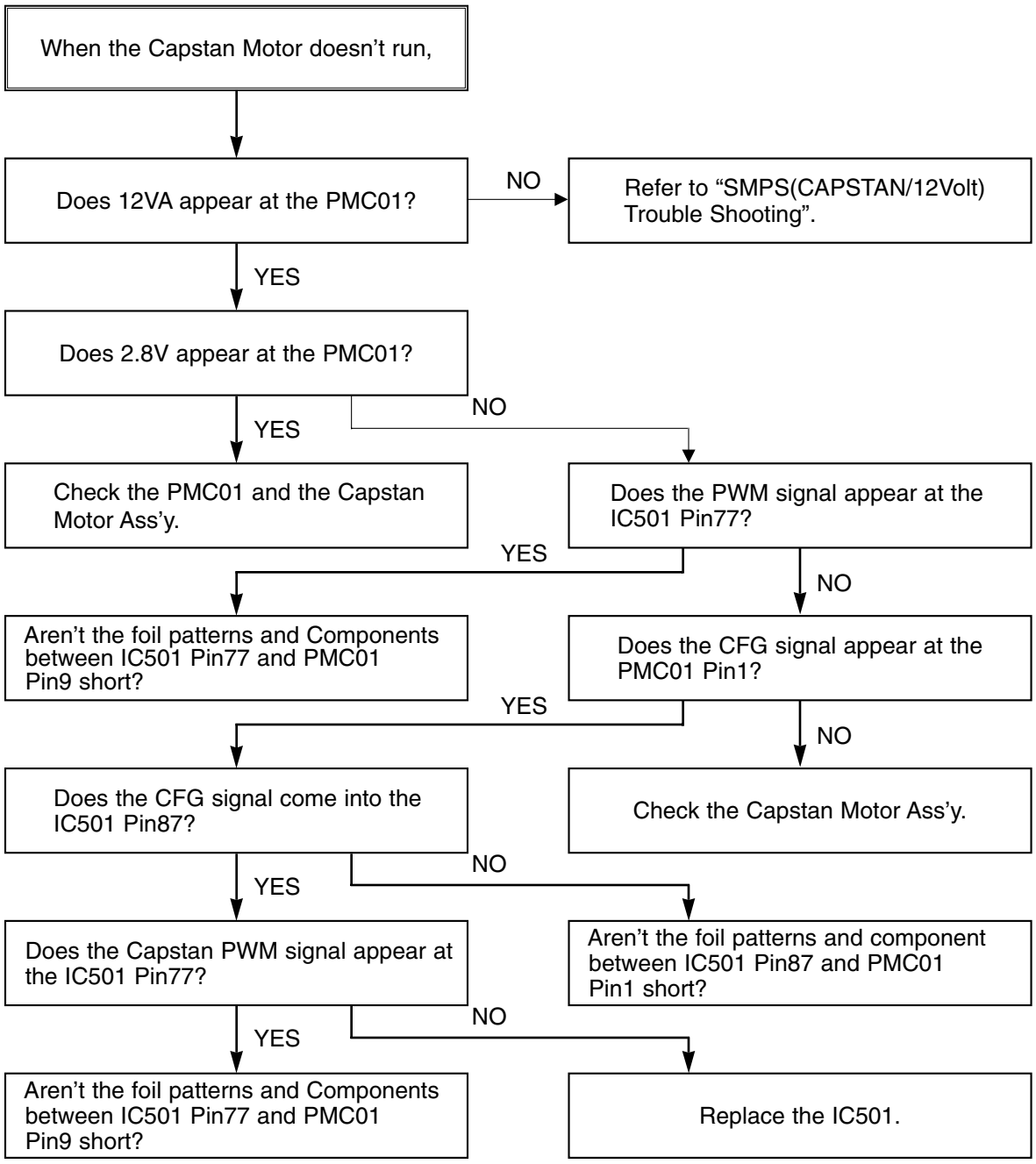
(1) Unstable Video in PB MODE


Unstable Video in PB Mode.
YES
Does the Noise level of the screen change periodically?
YES
Do the CTL pulses appear at the IC501 Pin97?
NO
Is adjusting the height of the CTL Head accurate?
NO
Readjust the height of the CTL Head.
YES
Does the CFG waveform appear at the IC501 Pin87?
YES
On tracking do the CTL pulses move?
NO
Replace the IC501.
YES
Does the Video Envelope waveform appear at the IC501 Pin9?
NO
Refer to "When the Y signal doesn't appear on the screen in PB Mode".
YES
Replace the IC501.

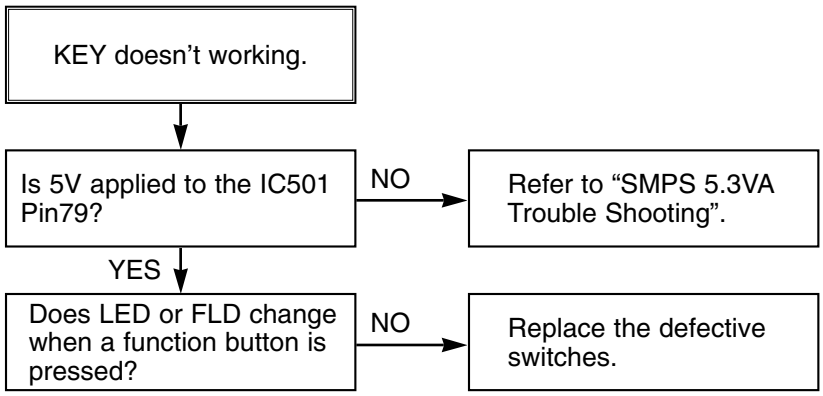
(2) When the Drum Motor doesn't run.


When the Drum Motor doesn't run,
Does 12V appear at the PMC01 Pin8?
NO
Refer to "(2) No 12VA of Power section"
YES
Does 2.8V appear at the PMC01 Pin12?
NO
Do the Drum PWM Pulses appear at the IC501 Pin76?
NO
Do the DFG Pulses appear at the PMC01 Pin11?
YES
NO
YES
Aren't the foil patterns and the Components between IC501 Pin76 and PMC01 Pin12 short?
Replace the Cap M.
YES
Check the connector (PMC01) and the Drum Motor Ass'y.
Do the DFG Pulses appear at the IC501 Pin90?
NO
Aren't the foil patterns and the Components between IC501 Pin 90 and PMC01 Pin11 short?
YES
Do the Drum PWM Pulses appear at the IC501 Pin76?
NO
Replace the IC501.
YES
Aren't the connecting patterns and the Components between IC501 Pin76 and PMC01 Pin12 short?

(3) When the Capstan Motor doesn't run,

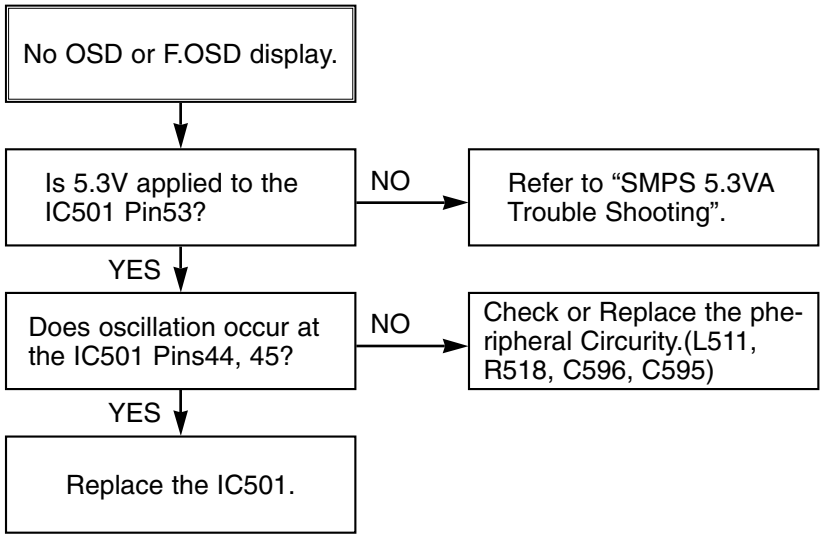

When the Capstan Motor doesn't run,
Does 12VA appear at the PMC01?
NO
Refer to "SMPS(CAPSTAN/12Volt) Trouble Shooting".
YES
Does 2.8V appear at the PMC01?
NO
YES
Check the PMC01 and the Capstan Motor Ass'y.
Does the PWM signal appear at the IC501 Pin77?
YES
NO
Aren't the foil patterns and Components between IC501 Pin77 and PMC01 Pin9 short?
Does the CFG signal appear at the PMC01 Pin1?
YES
NO
Does the CFG signal come into the IC501 Pin87?
Check the Capstan Motor Ass'y.
NO
YES
Does the Capstan PWM signal appear at the IC501 Pin77?
Aren't the foil patterns and component between IC501 Pin87 and PMC01 Pin1 short?
NO
YES
Aren't the foil patterns and Components between IC501 Pin77 and PMC01 Pin9 short?
Replace the IC501.

(4) KEY doesn't working

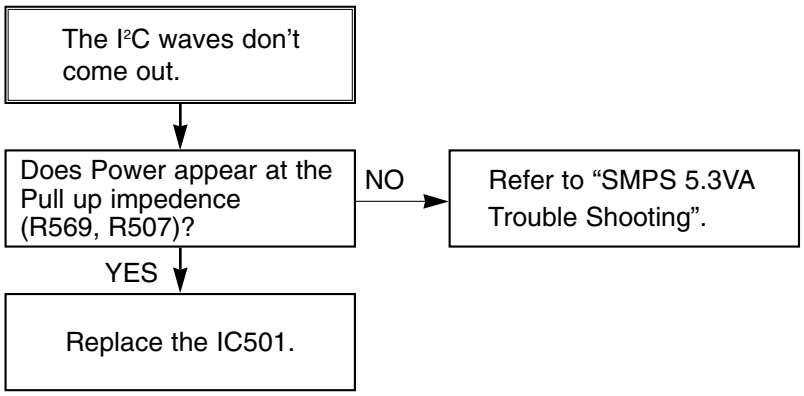

KEY doesn't working.
Is 5V applied to the IC501 Pin79?
NO
Refer to "SMPS 5.3VA Trouble Shooting".
YES
Does LED or FLD change when a function button is pressed?
NO
Replace the defective switches.

4. OSD CIRCUIT

(1) No OSD display.

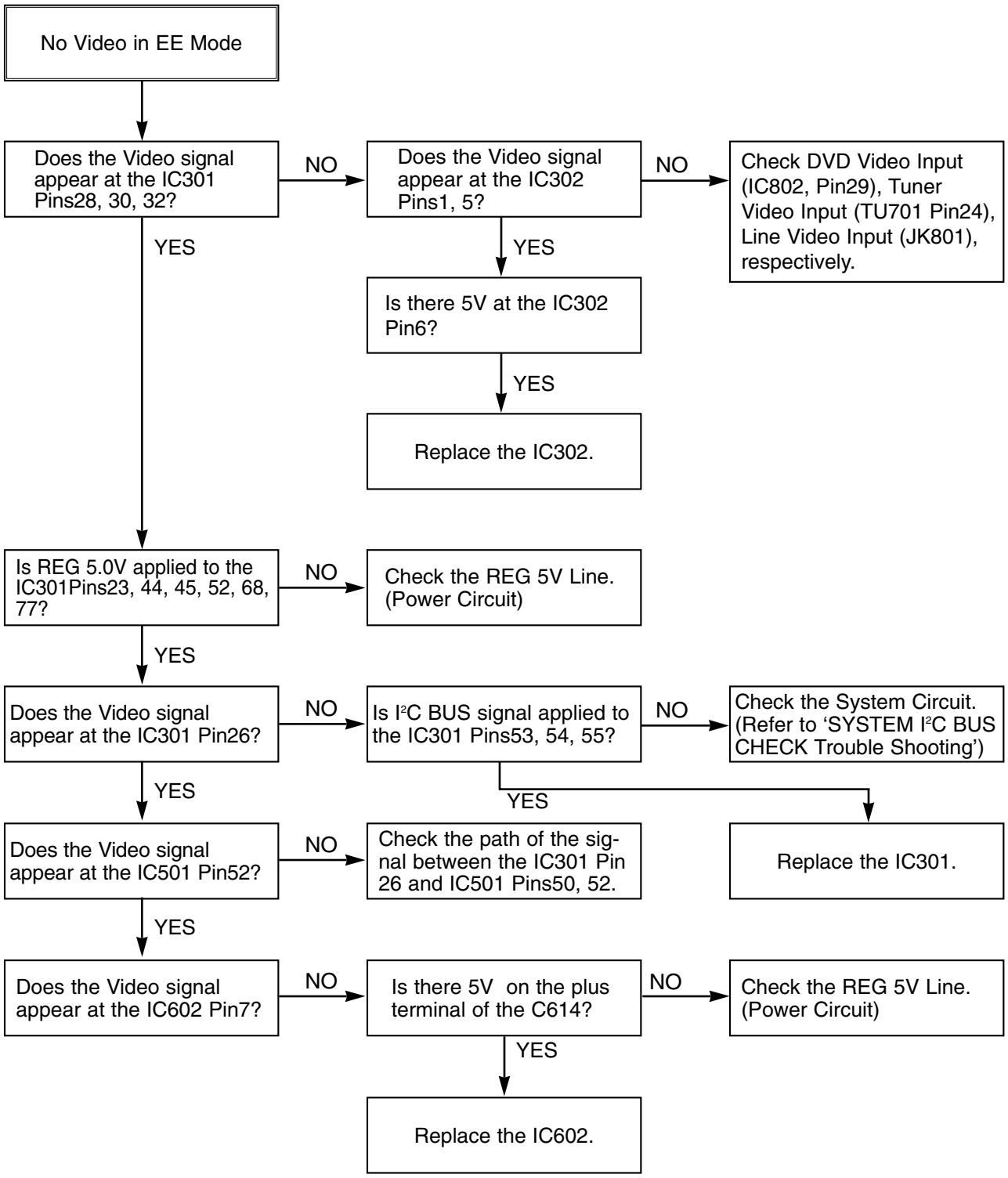

No OSD or F.OSD display.
Is 5.3V applied to the IC501 Pin53?
NO
Refer to "SMPS 5.3VA Trouble Shooting".
YES
Does oscillation occur at the IC501 Pins44, 45?
NO
Check or Replace the pheripheral Circurity.(L511, R518, C596, C595)
YES
Replace the IC501.

(2) I^2C BUS CHECK

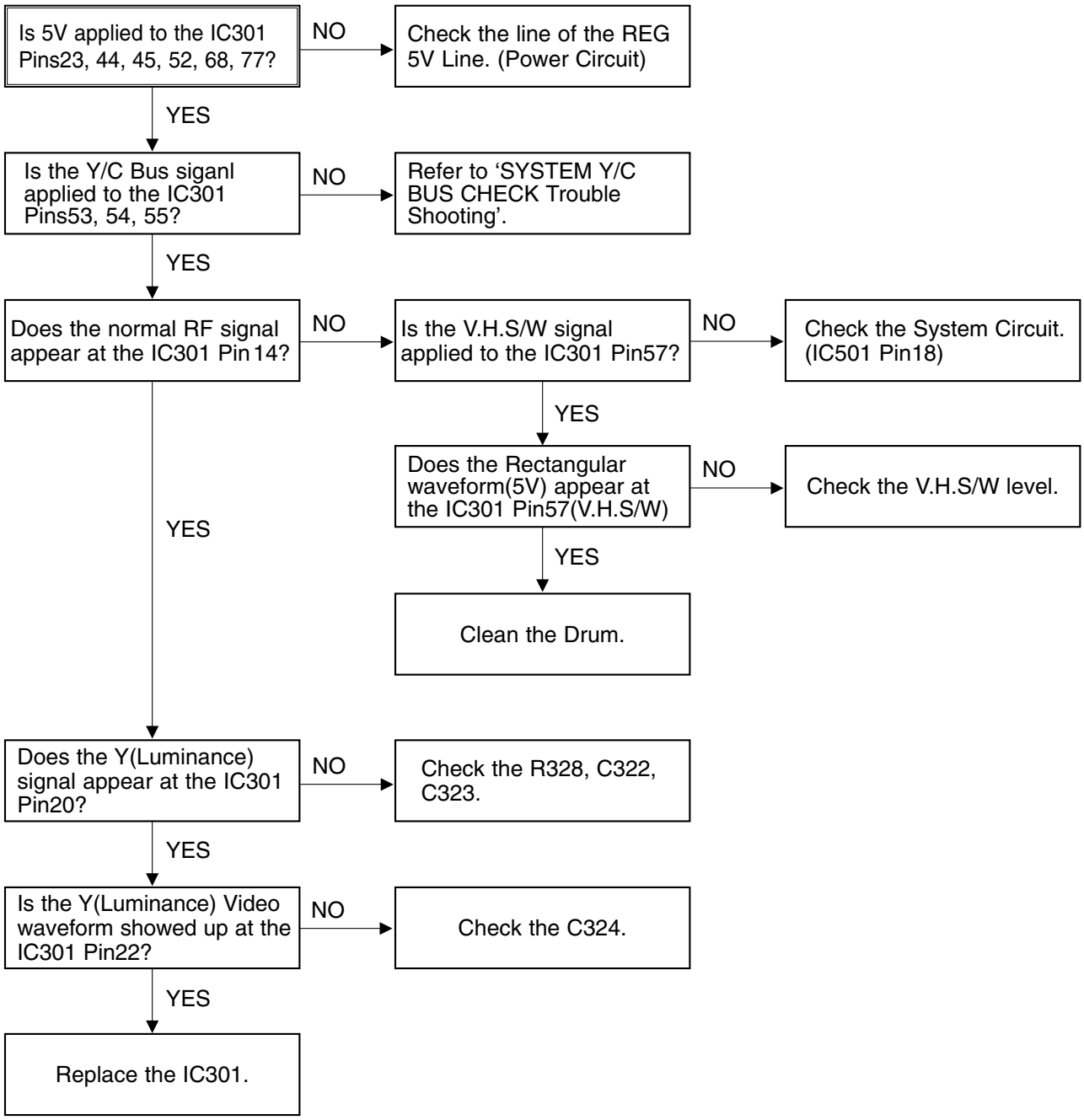

The I²C waves don't come out.
Does Power appear at the Pull up impedence (R569, R507)?
NO
Refer to "SMPS 5.3VA Trouble Shooting".
YES
Replace the IC501.

5. Y/C CIRCUIT

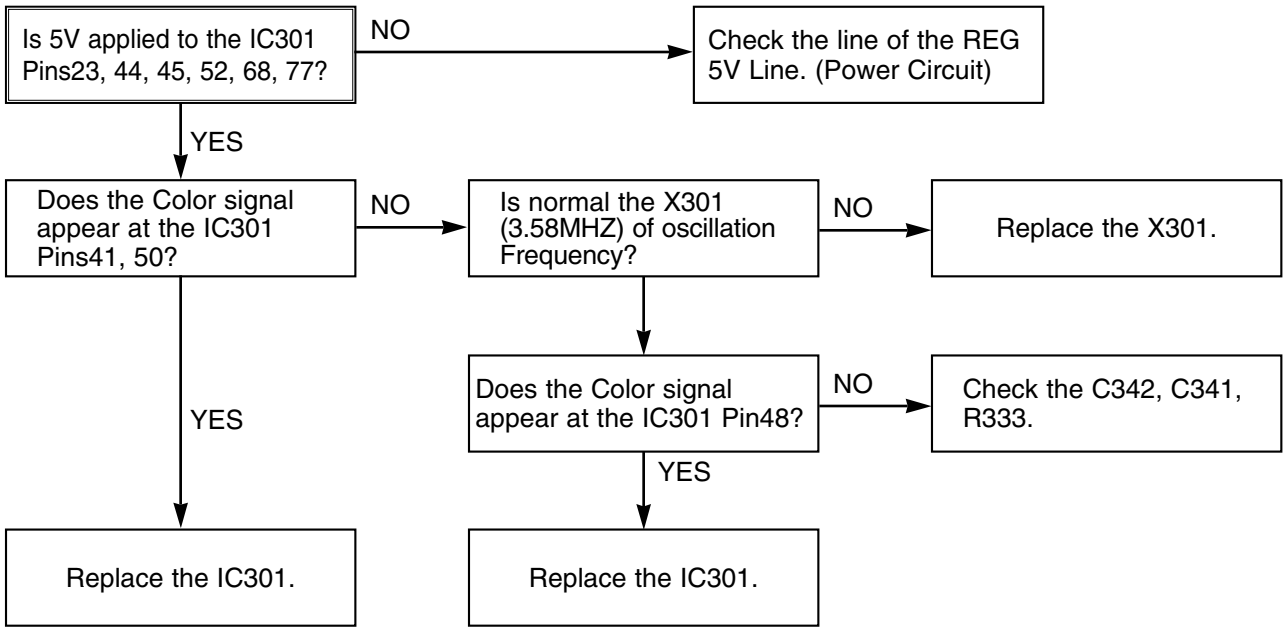
(1) No Video in EE Mode,


No Video in EE Mode
Does the Video signal appear at the IC301 Pins28, 30, 32?
NO
Does the Video signal appear at the IC302 Pins1, 5?
NO
Check DVD Video Input (IC802, Pin29), Tuner Video Input (TU701 Pin24), Line Video Input (JK801), respectively.
YES
YES
Is there 5V at the IC302 Pin6?
YES
Replace the IC302.
Is REG 5.0V applied to the IC301Pins23, 44, 45, 52, 68, 77?
NO
Check the REG 5V Line. (Power Circuit)
YES
Does the Video signal appear at the IC301 Pin26?
NO
Is I²C BUS signal applied to the IC301 Pins53, 54, 55?
NO
Check the System Circuit. (Refer to 'SYSTEM I²C BUS CHECK Trouble Shooting')
YES
YES
Does the Video signal appear at the IC501 Pin52?
NO
Check the path of the signal between the IC301 Pin 26 and IC501 Pins50, 52.
Replace the IC301.
YES
Does the Video signal appear at the IC602 Pin7?
NO
Is there 5V on the plus terminal of the C614?
NO
Check the REG 5V Line. (Power Circuit)
YES
Replace the IC602.

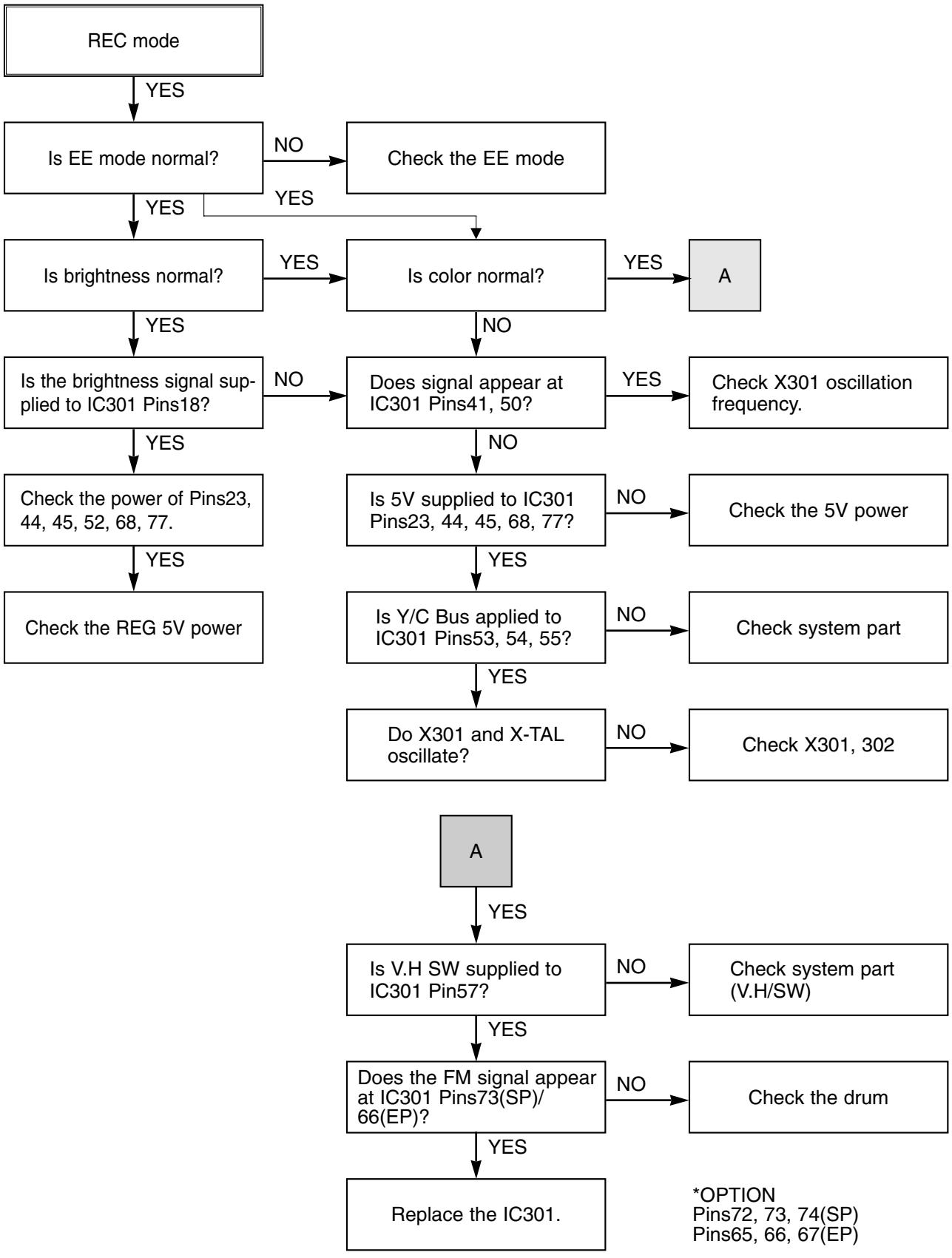
(2) When the Y(Luminance) signal doesn't appear on the screen in PB Mode,


Is 5V applied to the IC301 Pins23, 44, 45, 52, 68, 77?
NO
Check the line of the REG 5V Line. (Power Circuit)
YES
Is the Y/C Bus siganl applied to the IC301 Pins53, 54, 55?
NO
Refer to 'SYSTEM Y/C BUS CHECK Trouble Shooting'.
YES
Does the normal RF signal appear at the IC301 Pin14?
NO
Is the V.H.S/W signal applied to the IC301 Pin57?
NO
Check the System Circuit. (IC501 Pin18)
YES
Does the Rectangular waveform(5V) appear at the IC301 Pin57(V.H.S/W)
NO
Check the V.H.S/W level.
YES
Clean the Drum.
YES
Does the Y(Luminance) signal appear at the IC301 Pin20?
NO
Check the R328, C322, C323.
YES
Is the Y(Luminance) Video waveform showed up at the IC301 Pin22?
NO
Check the C324.
YES
Replace the IC301.

(3) When the C(Color) signal doesn't appear on the screen in PB Mode,

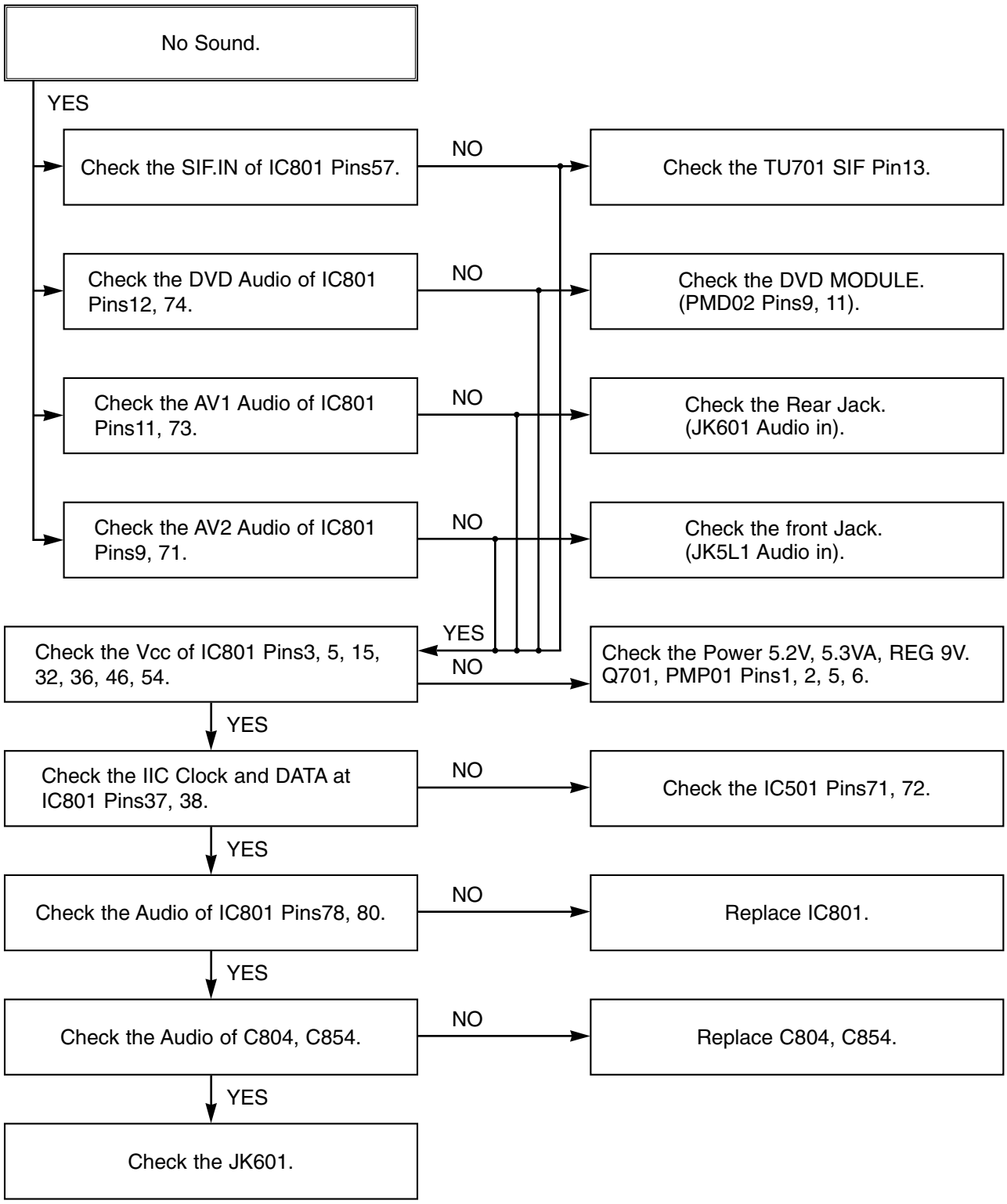

Is 5V applied to the IC301 Pins23, 44, 45, 52, 68, 77?
NO
Check the line of the REG 5V Line. (Power Circuit)
YES
Does the Color signal appear at the IC301 Pins41, 50?
NO
Is normal the X301 (3.58MHZ) of oscillation Frequency?
NO
Replace the X301.
YES
Does the Color signal appear at the IC301 Pin48?
NO
Check the C342, C341, R333.
YES
Replace the IC301.
Replace the IC301.

(4) When the Video signal doesn't appear on the screen in REC Mode,

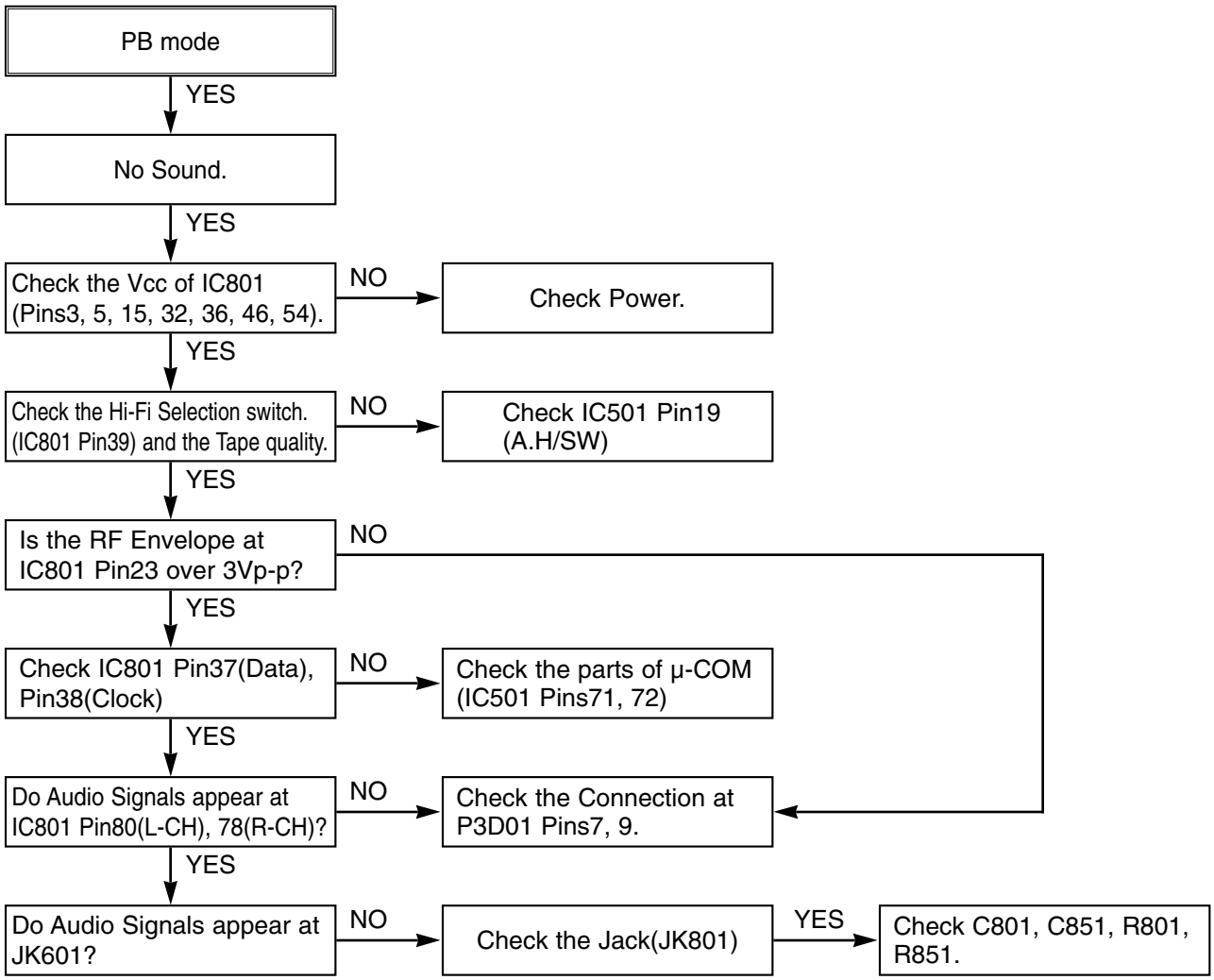


6. Hi-Fi CIRCUIT

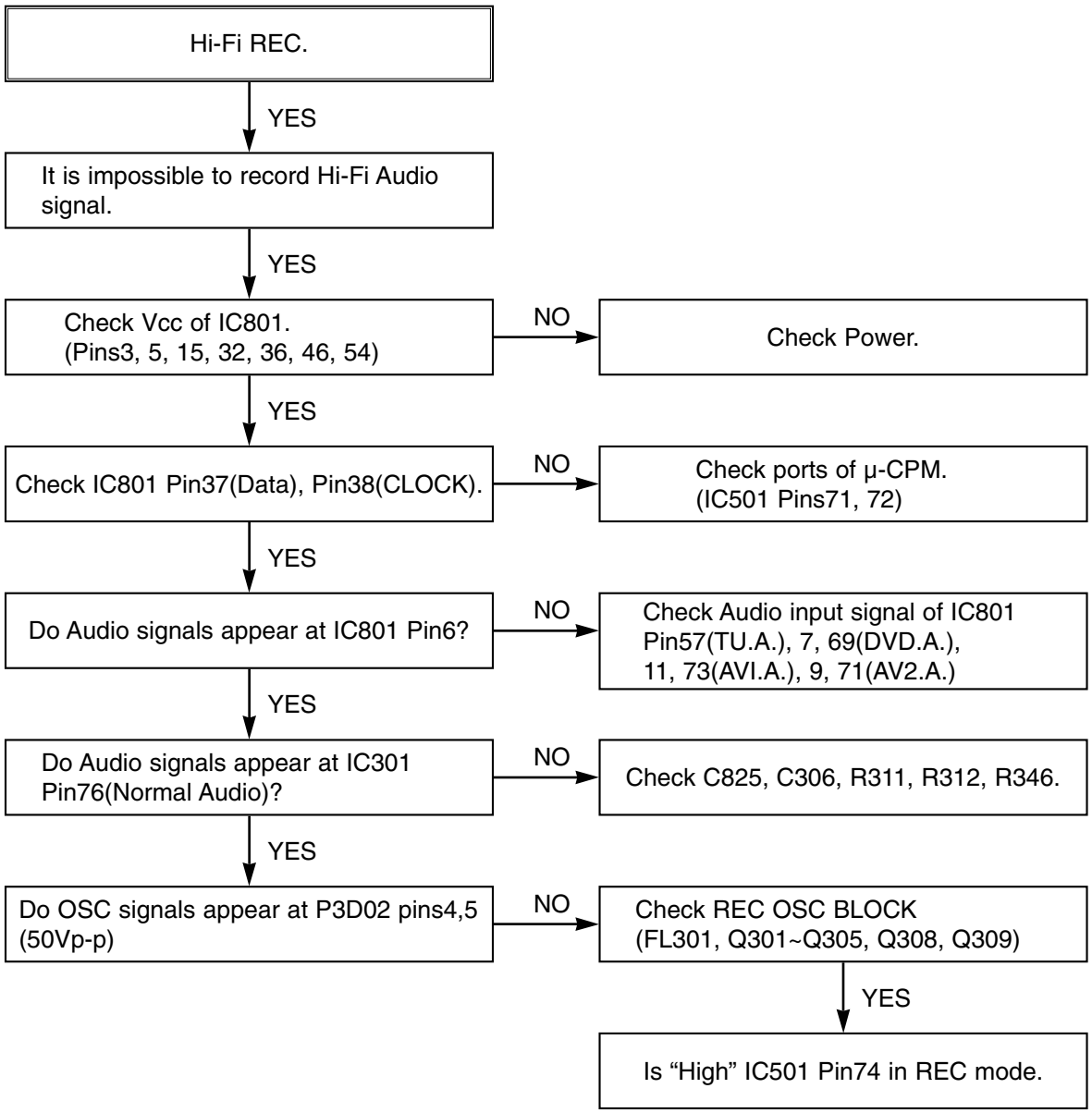
(1) No Sound(EE Mode)


No Sound.
YES
Check the SIF.IN of IC801 Pins57.
NO
Check the TU701 SIF Pin13.
Check the DVD Audio of IC801 Pins12, 74.
NO
Check the DVD MODULE. (PMD02 Pins9, 11).
Check the AV1 Audio of IC801 Pins11, 73.
NO
Check the Rear Jack. (JK601 Audio in).
Check the AV2 Audio of IC801 Pins9, 71.
NO
Check the front Jack. (JK5L1 Audio in).
Check the Vcc of IC801 Pins3, 5, 15, 32, 36, 46, 54.
YES
NO
Check the Power 5.2V, 5.3VA, REG 9V. Q701, PMP01 Pins1, 2, 5, 6.
YES
Check the IIC Clock and DATA at IC801 Pins37, 38.
NO
Check the IC501 Pins71, 72.
YES
Check the Audio of IC801 Pins78, 80.
NO
Replace IC801.
YES
Check the Audio of C804, C854.
NO
Replace C804, C854.
YES
Check the JK601.

(2) Hi-Fi Playback

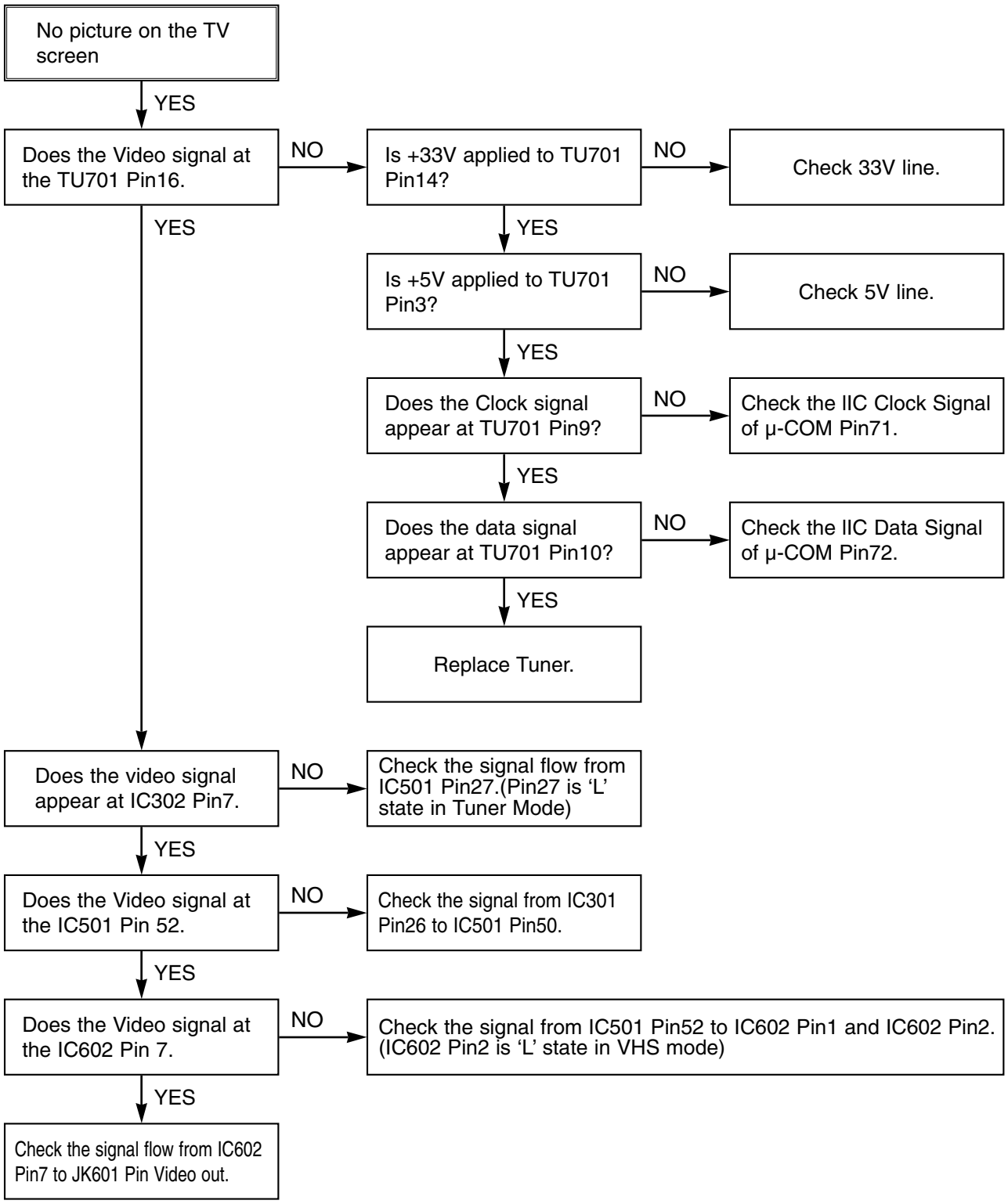


(3) Hi-Fi REC

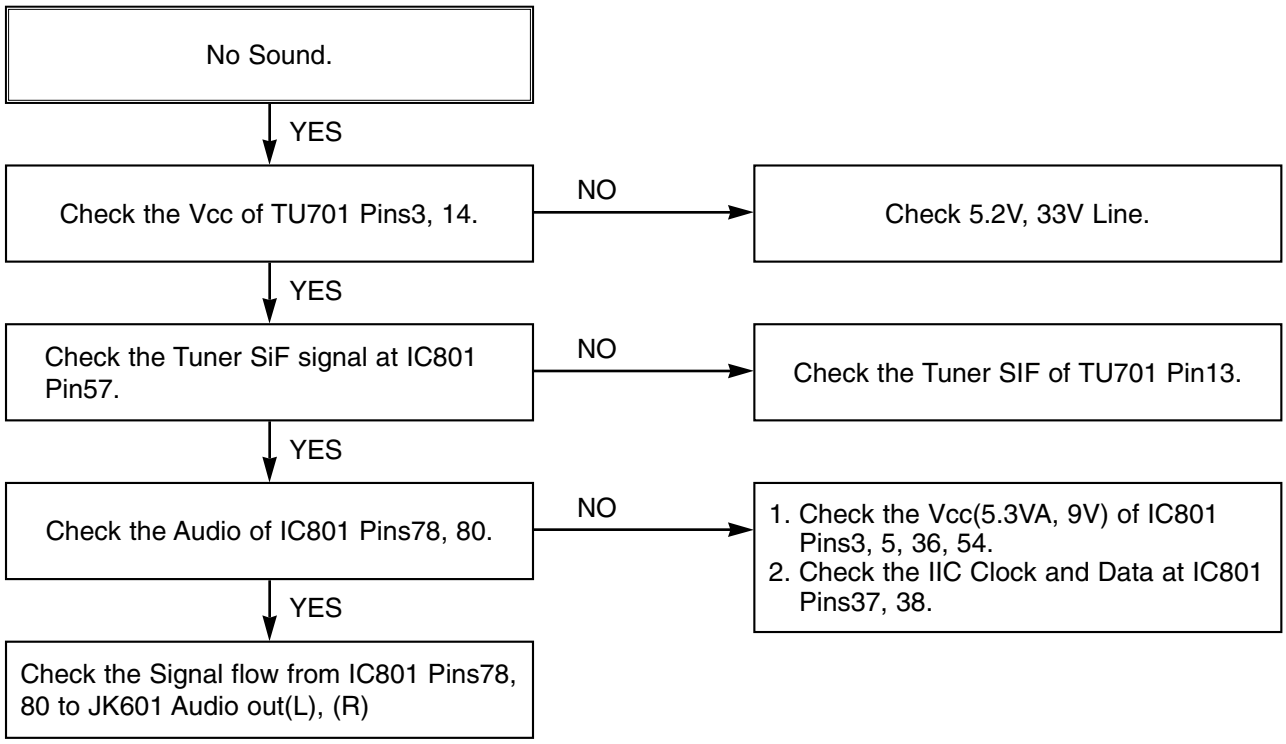

Hi-Fi REC.
YES
It is impossible to record Hi-Fi Audio signal.
YES
Check Vcc of IC801. (Pins3, 5, 15, 32, 36, 46, 54)
NO
Check Power.
YES
Check IC801 Pin37(Data), Pin38(CLOCK).
NO
Check ports of µ-CPM. (IC501 Pins71, 72)
YES
Do Audio signals appear at IC801 Pin6?
NO
Check Audio input signal of IC801 Pin57(TU.A.), 7, 69(DVD.A.), 11, 73(AVI.A.), 9, 71(AV2.A.)
YES
Do Audio signals appear at IC301 Pin76(Normal Audio)?
NO
Check C825, C306, R311, R312, R346.
YES
Do OSC signals appear at P3D02 pins4,5 (50Vp-p)
NO
Check REC OSC BLOCK (FL301, Q301~Q305, Q308, Q309)
YES
Is “High” IC501 Pin74 in REC mode.

7. Tuner/IF CIRCUIT

(1) No Picture on the TV screen

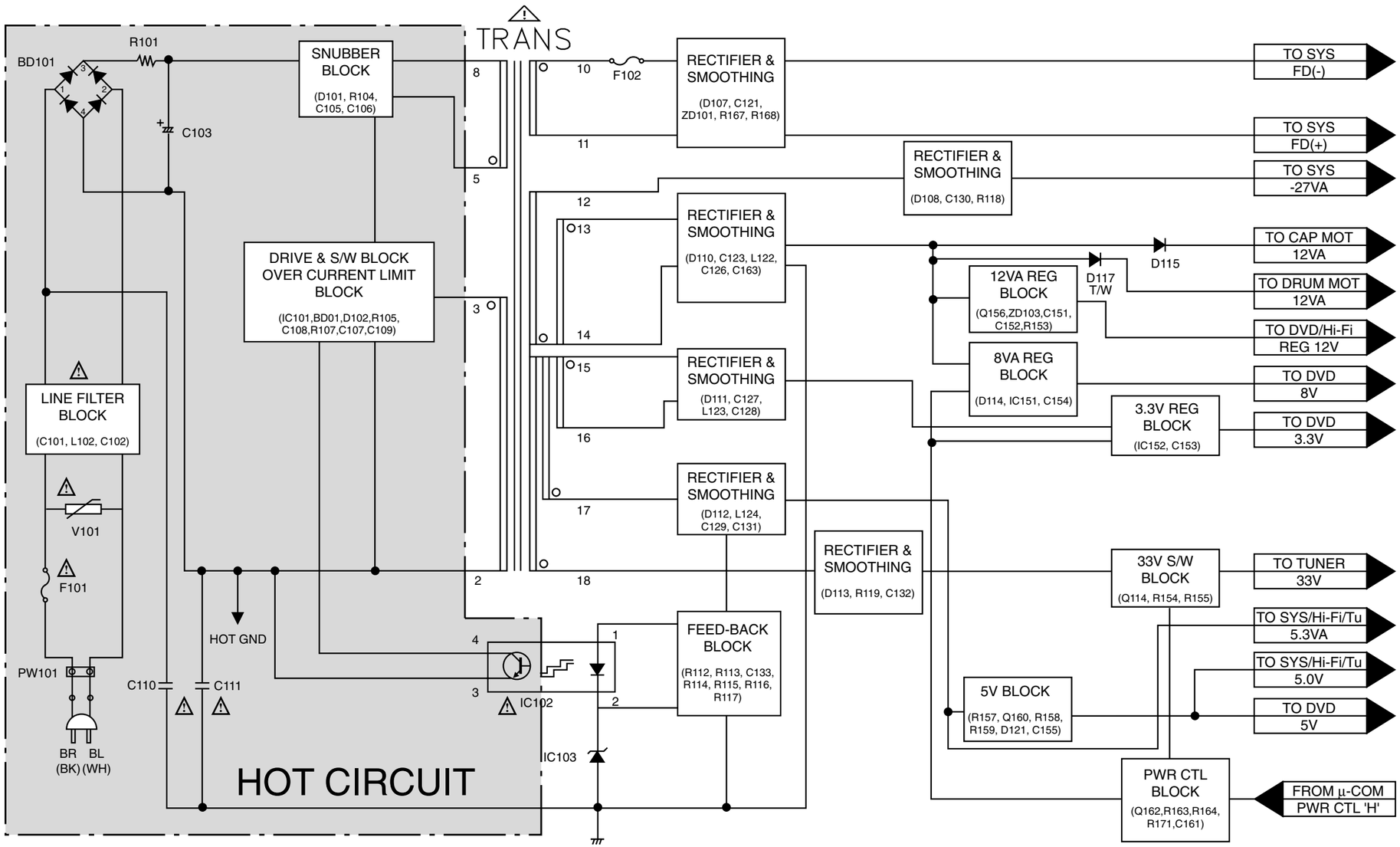

No picture on the TV screen
YES
Does the Video signal at the TU701 Pin16.
NO
Is +33V applied to TU701 Pin14?
NO
Check 33V line.
YES
YES
Is +5V applied to TU701 Pin3?
NO
Check 5V line.
YES
Does the Clock signal appear at TU701 Pin9?
NO
Check the IIC Clock Signal of µ-COM Pin71.
YES
Does the data signal appear at TU701 Pin10?
NO
Check the IIC Data Signal of µ-COM Pin72.
YES
Replace Tuner.
Does the video signal appear at IC302 Pin7.
NO
Check the signal flow from IC501 Pin27.(Pin27 is 'L' state in Tuner Mode)
YES
Does the Video signal at the IC501 Pin 52.
NO
Check the signal from IC301 Pin26 to IC501 Pin50.
YES
Does the Video signal at the IC602 Pin 7.
NO
Check the signal from IC501 Pin52 to IC602 Pin1 and IC602 Pin2. (IC602 Pin2 is 'L' state in VHS mode)
YES
Check the signal flow from IC602 Pin7 to JK601 Pin Video out.

(2) No Sound


No Sound.
YES
Check the Vcc of TU701 Pins3, 14.
NO
Check 5.2V, 33V Line.
YES
Check the Tuner SiF signal at IC801 Pin57.
NO
Check the Tuner SIF of TU701 Pin13.
YES
Check the Audio of IC801 Pins78, 80.
NO
1. Check the Vcc(5.3VA, 9V) of IC801 Pins3, 5, 36, 54.
2. Check the IIC Clock and Data at IC801 Pins37, 38.
YES
Check the Signal flow from IC801 Pins78, 80 to JK601 Audio out(L), (R)

BLOCK DIAGRAMS

1. POWER(SMPS) BLOCK DIAGRAM



NOTES : Symbol denotes AC ground.

Symbol denotes DC chassis ground.

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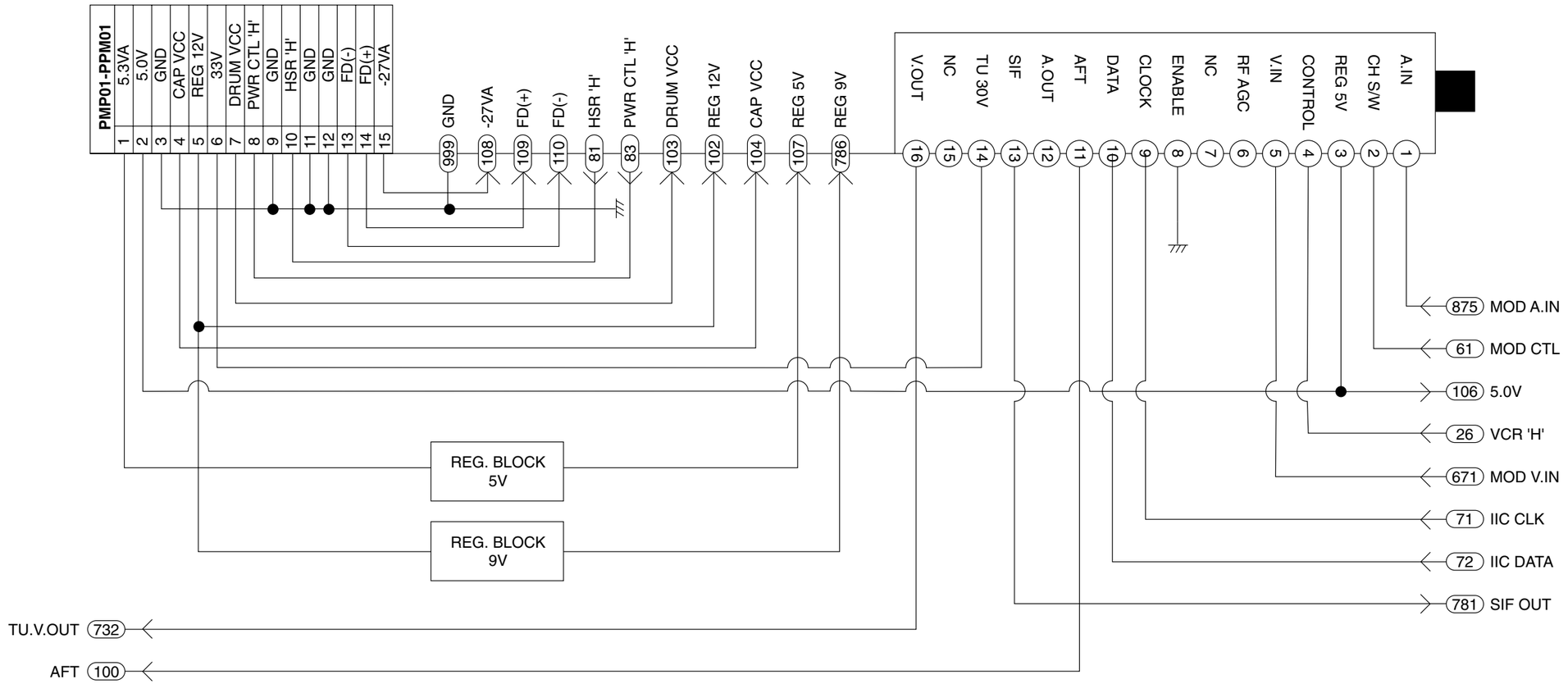
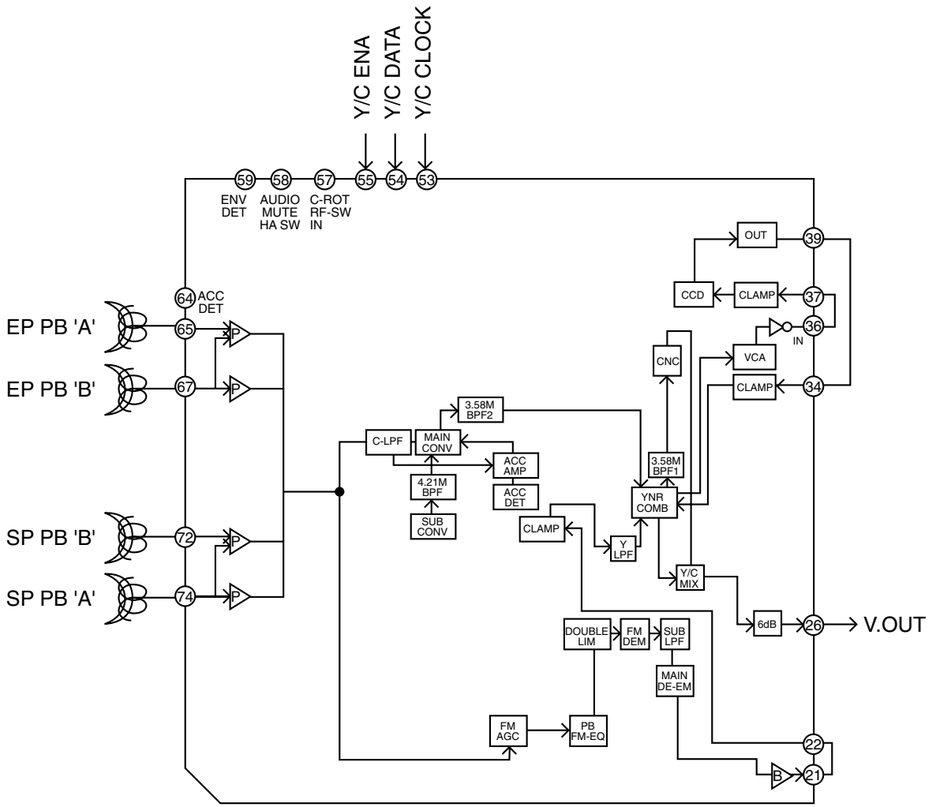
2. TU/IF BLOCK DIAGRAM

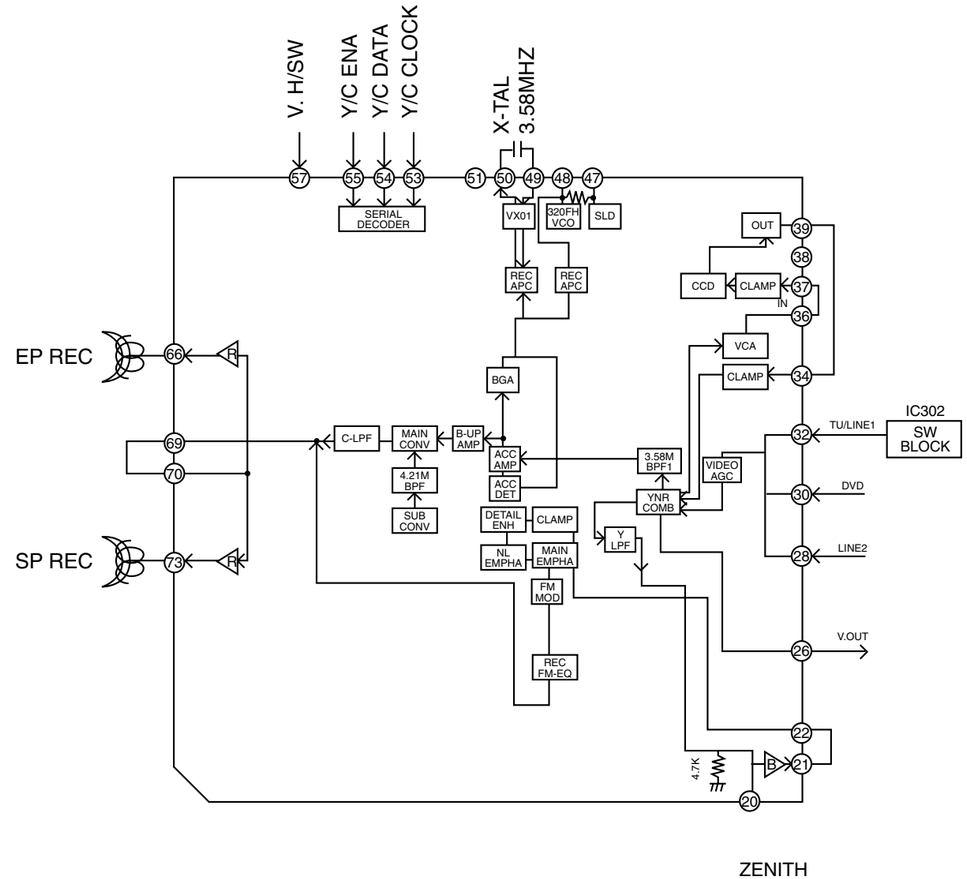


3. Y/C BLOCK DIAGRAM

(PB Mode)



(REC Mode)



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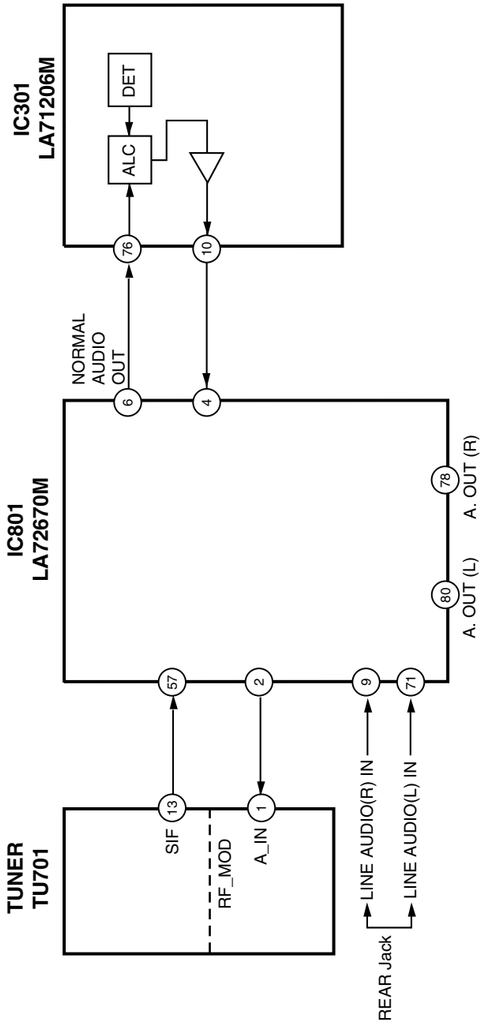
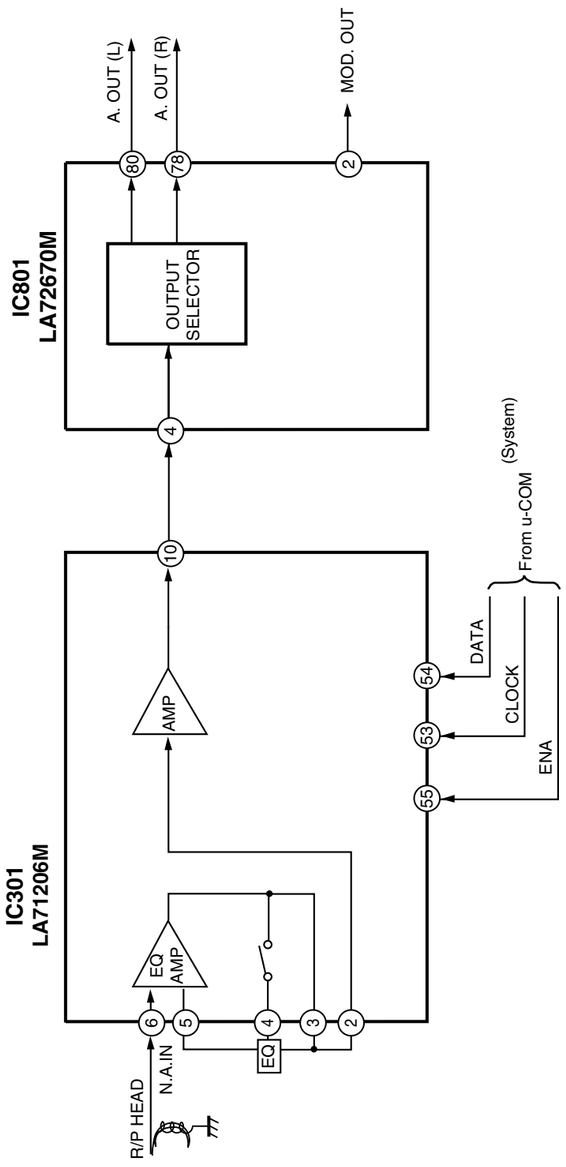
4. NORMAL AUDIO BLOCK DIAGRAM

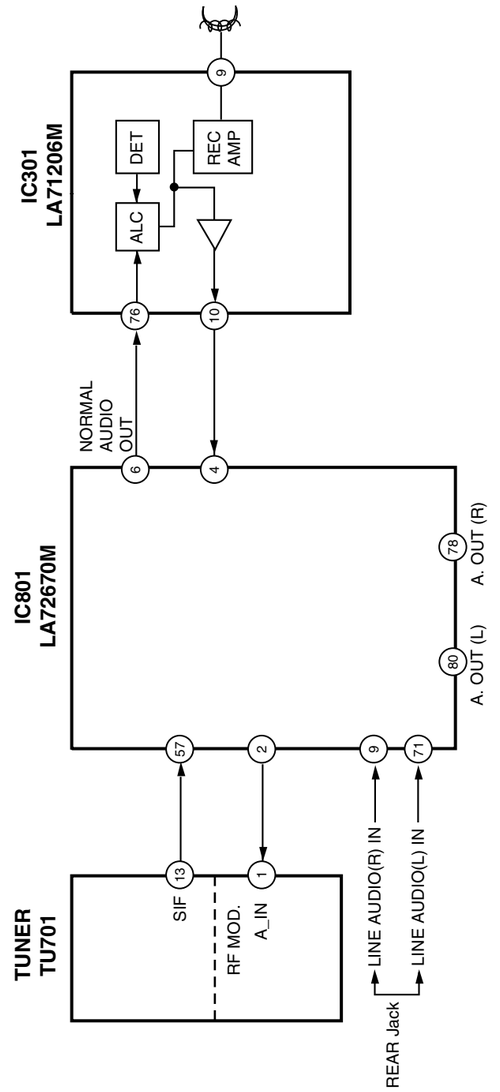
(EE Mode)



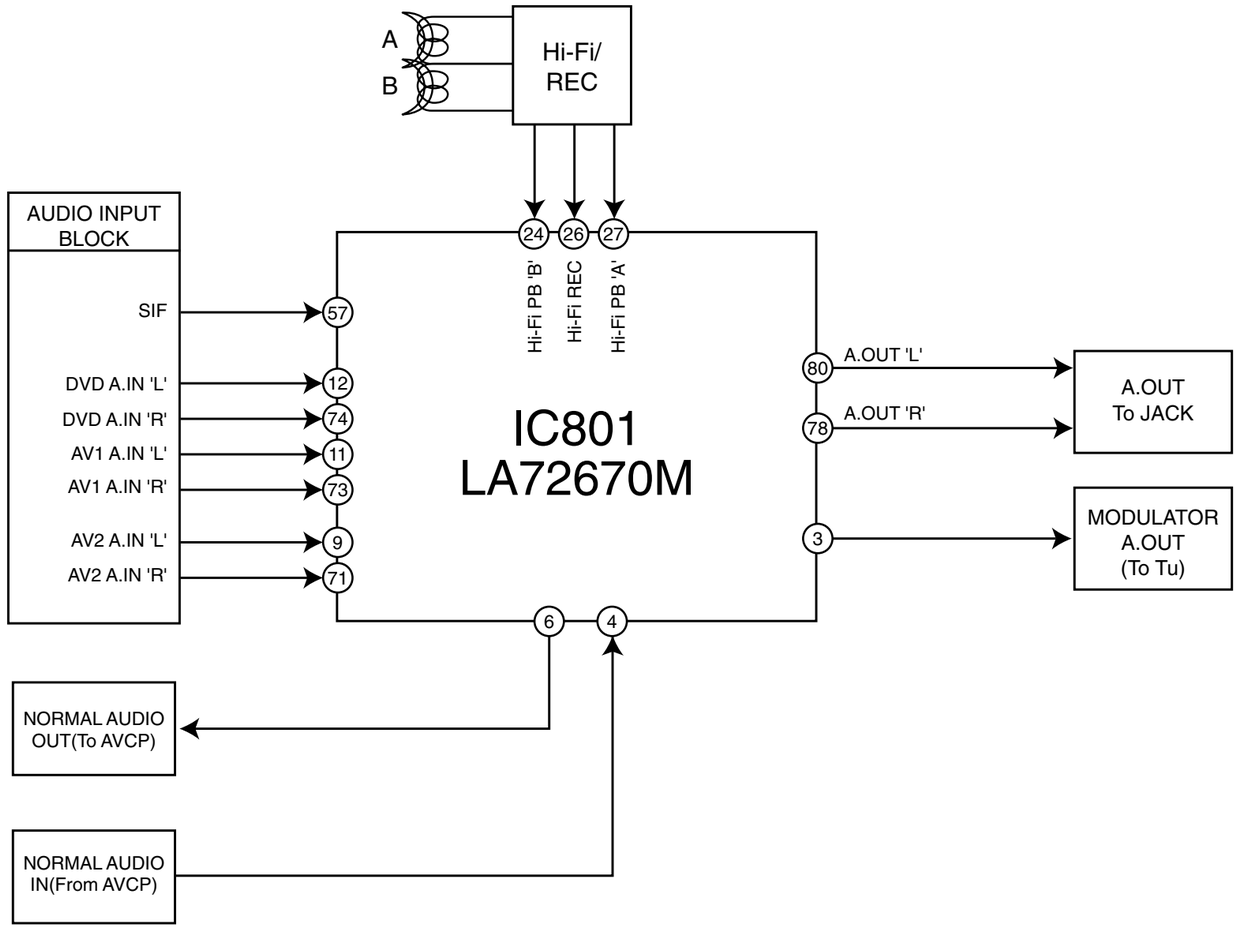
(PB Mode)



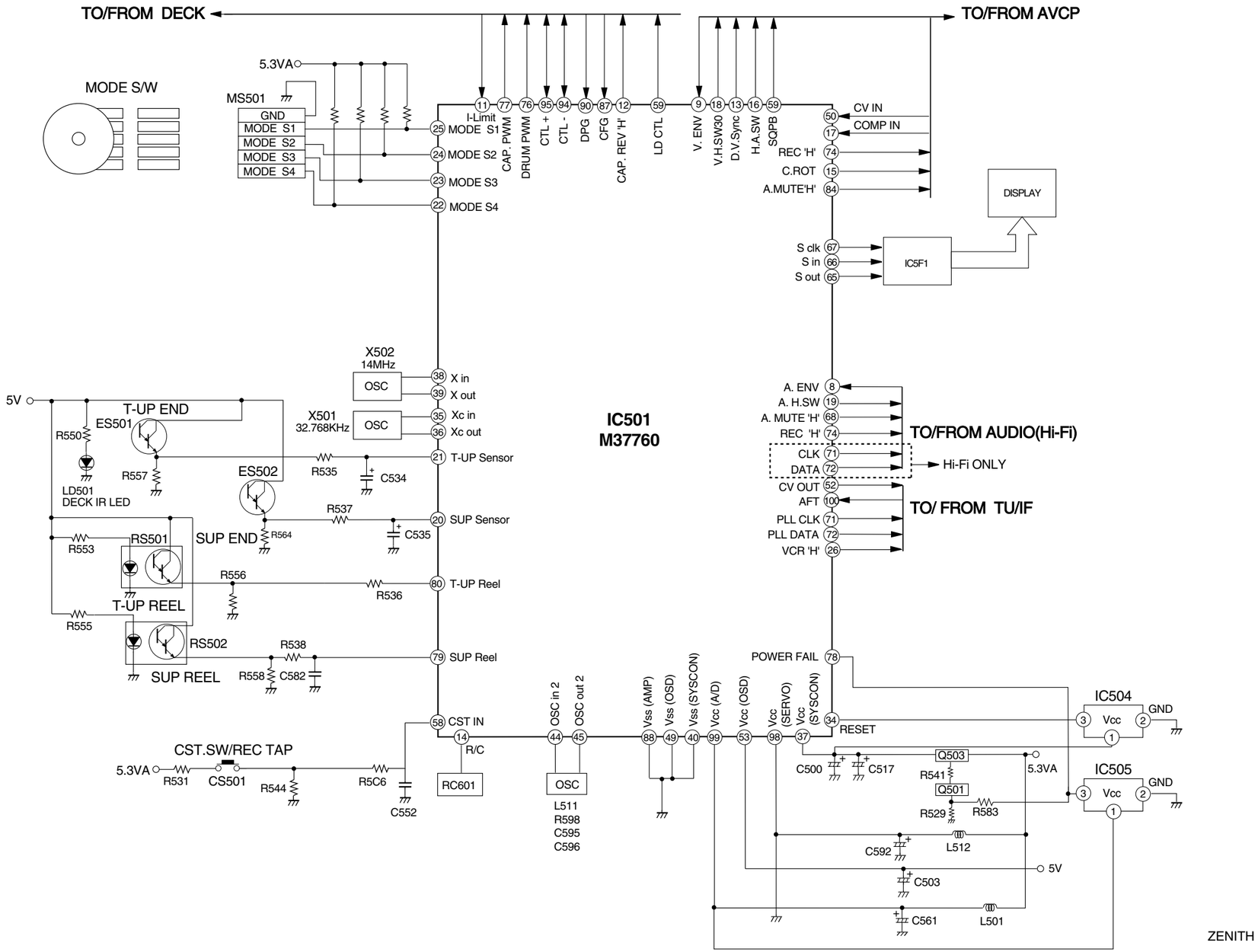
(REC Mode)



5. Hi-Fi BLOCK DIAGRAM



6. SYSTEM BLOCK DIAGRAM



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CIRCUIT DIAGRAMS

1. POWER(SMPS) CIRCUIT DIAGRAM

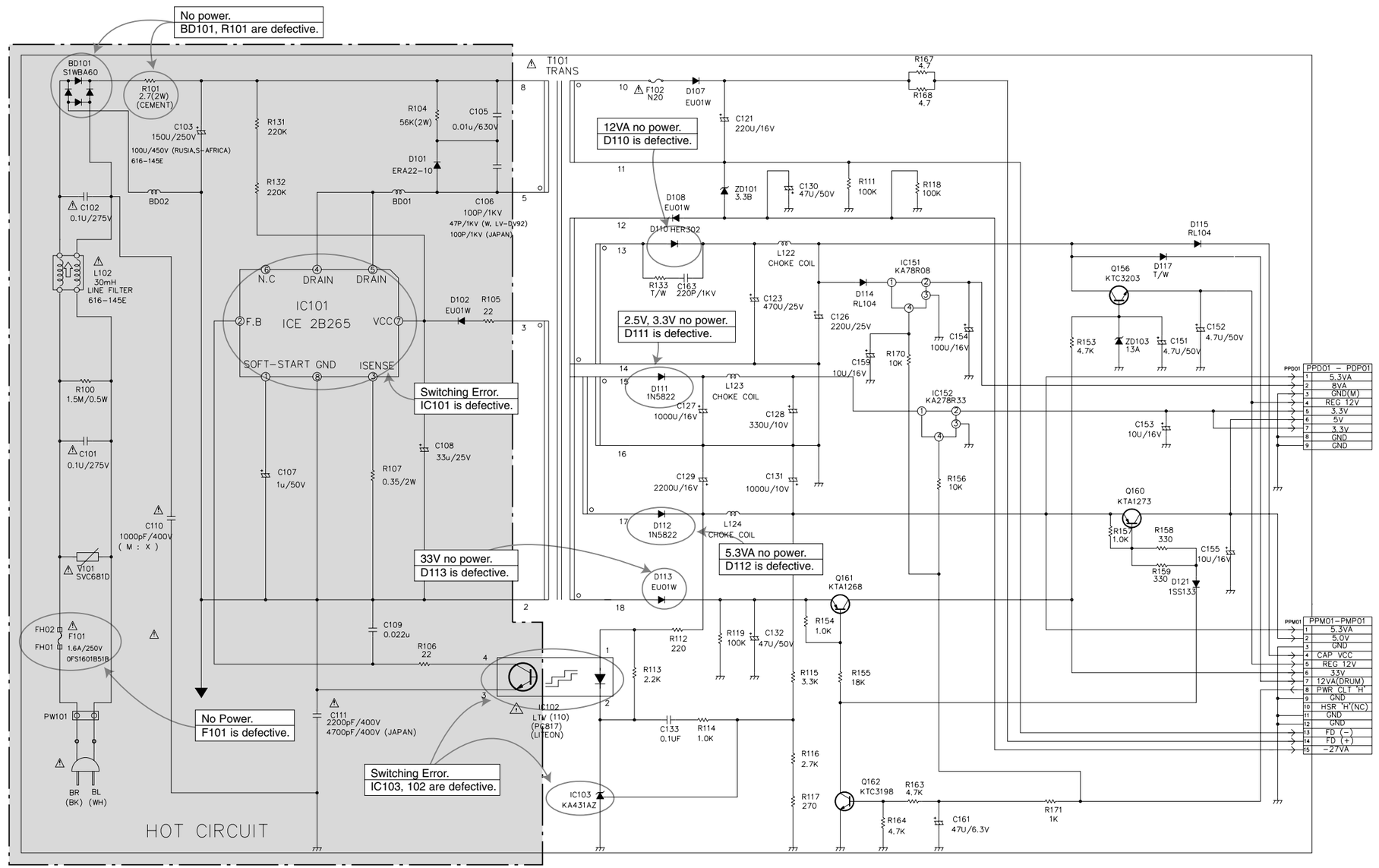
IMPORTANT SAFETY NOTICE

WHEN SERVICING THIS CHASSIS, UNDER NO CIRCUMSTANCES SHOULD THE ORIGINAL DESIGN BE MODIFIED OR ALTERED WITHOUT PERMISSION FROM THE ZENITH ELECTRONICS CORPORATION. ALL COMPONENTS SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT. SPECIAL COMPONENTS ARE SHADED ON THE SCHEMATIC FOR EASY IDENTIFICATION.

THIS CIRCUIT DIAGRAM MAY OCCASIONALLY DIFFER FROM THE ACTUAL CIRCUIT USED. THIS WAY, IMPLEMENTATION OF THE LATEST SAFETY AND PERFORMANCE IMPROVEMENT CHANGES INTO THE SET IS NOT DELAYED UNTIL THE NEW SERVICE LITERATURE IS PRINTED.

NOTE :

1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.



LOCATION GUIDE

BD01	F10
BD02	C10
BD101	B11
C101	B7
C102	B10
C103	C11
C105	F11
C106	G10
C107	D7
C108	F7
C109	E5
C110	C6
C111	E4
C121	J11
C123	J9
C126	K8
C127	I7
C128	J7
C129	I6
C130	J10
C131	J6
C132	J5
C133	I4
C151	O8
C152	O8
C153	N7
C154	L8
C155	O6
C159	K8
C161	L2
C163	I9
D101	F10
D102	F9
D107	I11
D108	I10
D110	I9
D111	I7
D112	I6
D113	I5
D114	K9
D115	O9
D117	N9
D121	O5
F102	H11
FH01	A4
FH02	A5
IC101	D8
IC102	G4
IC103	H3
IC151	K9
IC152	L7
L102	B9
L122	J9
L123	I8
L124	I6
Q156	N9
Q160	N6
Q161	K5
Q162	K3
R100	B7
R101	C11
R104	F11
R105	G9
R106	F4
R107	E7
R111	K10
R112	I5
R113	H4
R114	I4
R115	J4
R116	J3
R117	J3
R118	L10
R119	I5
R131	D11
R132	D10
R133	I9
R153	N8
R154	J5
R155	K4
R156	L6
R157	N6
R158	N6
R159	N5
R163	L3
R164	K2
R167	L11
R168	L11
R170	K8
R171	M3
T101	G11
V101	B5
ZD101	J10
ZD103	N8

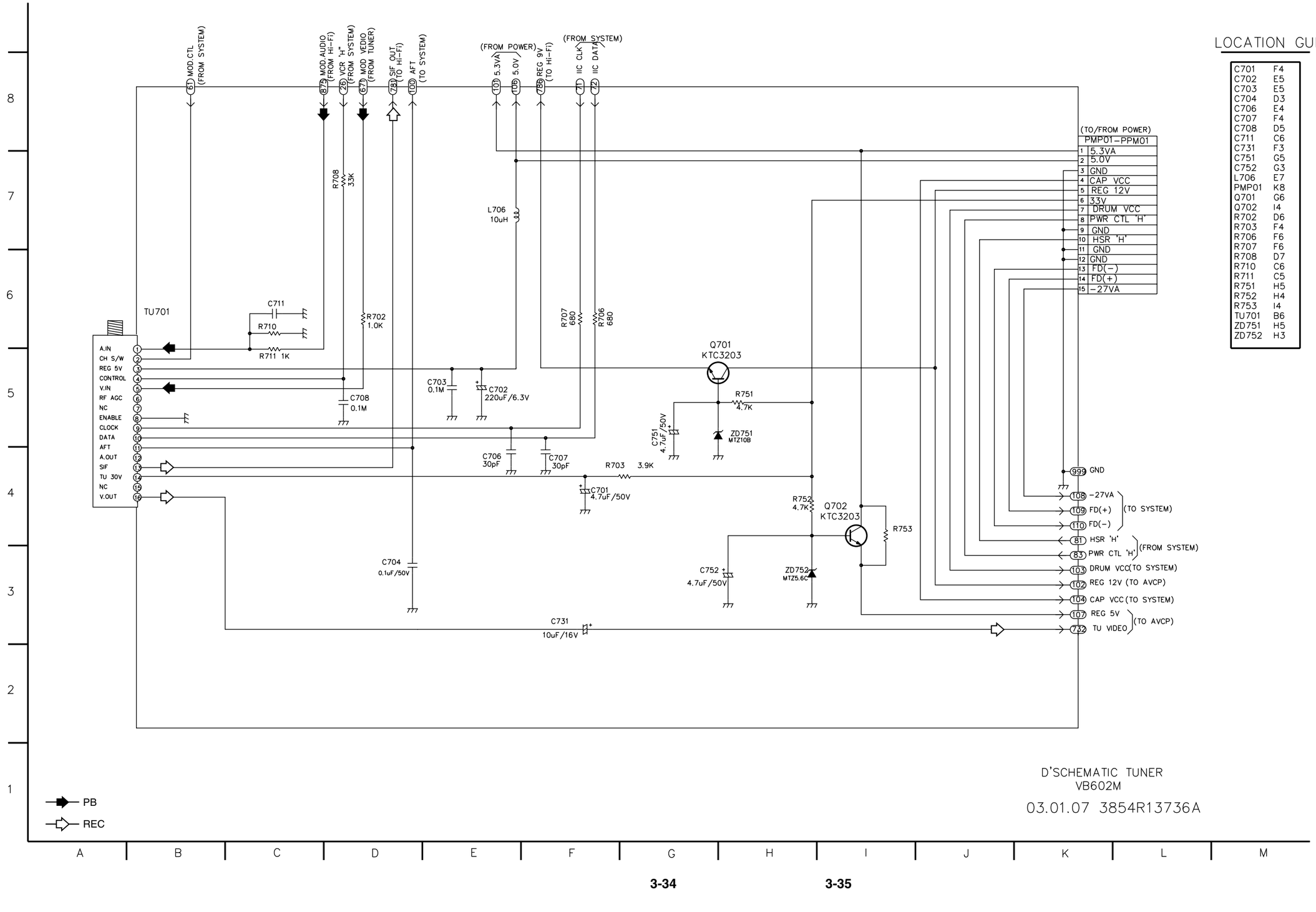
NOTES) ⏚ Symbol denotes AC ground.
⏚ Symbol denotes DC chassis ground.

NOTE) ⚠ Warning
Parts that are shaded are critical With respect to risk of fire or electricial shock.

D'SCHEMATIC POWER
VB602M

03.01.07 3854R13731A

2. TU/IF CIRCUIT DIAGRAM



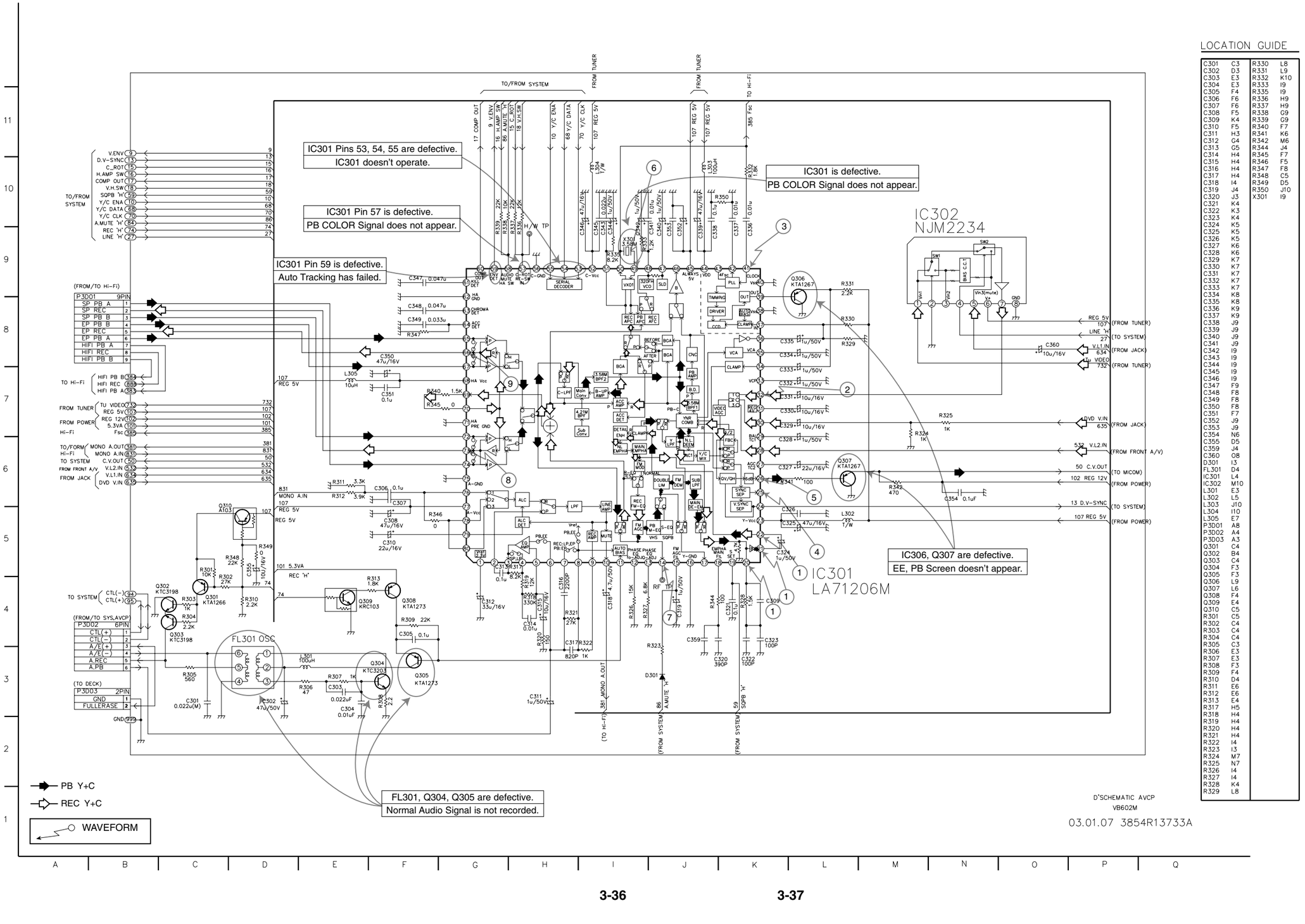
LOCATION GUIDE

C701	F4
C702	E5
C703	E5
C704	D3
C706	E4
C707	F4
C708	D5
C711	C6
C731	F3
C751	G5
C752	G3
L706	E7
PMP01	K8
Q701	G6
Q702	I4
R702	D6
R703	F4
R706	F6
R707	F6
R708	D7
R710	C6
R711	C5
R751	H5
R752	H4
R753	I4
TU701	B6
ZD751	H5
ZD752	H3

D'SCHEMATIC TUNER
VB602M

03.01.07 3854R13736A

3. A/V CIRCUIT DIAGRAM

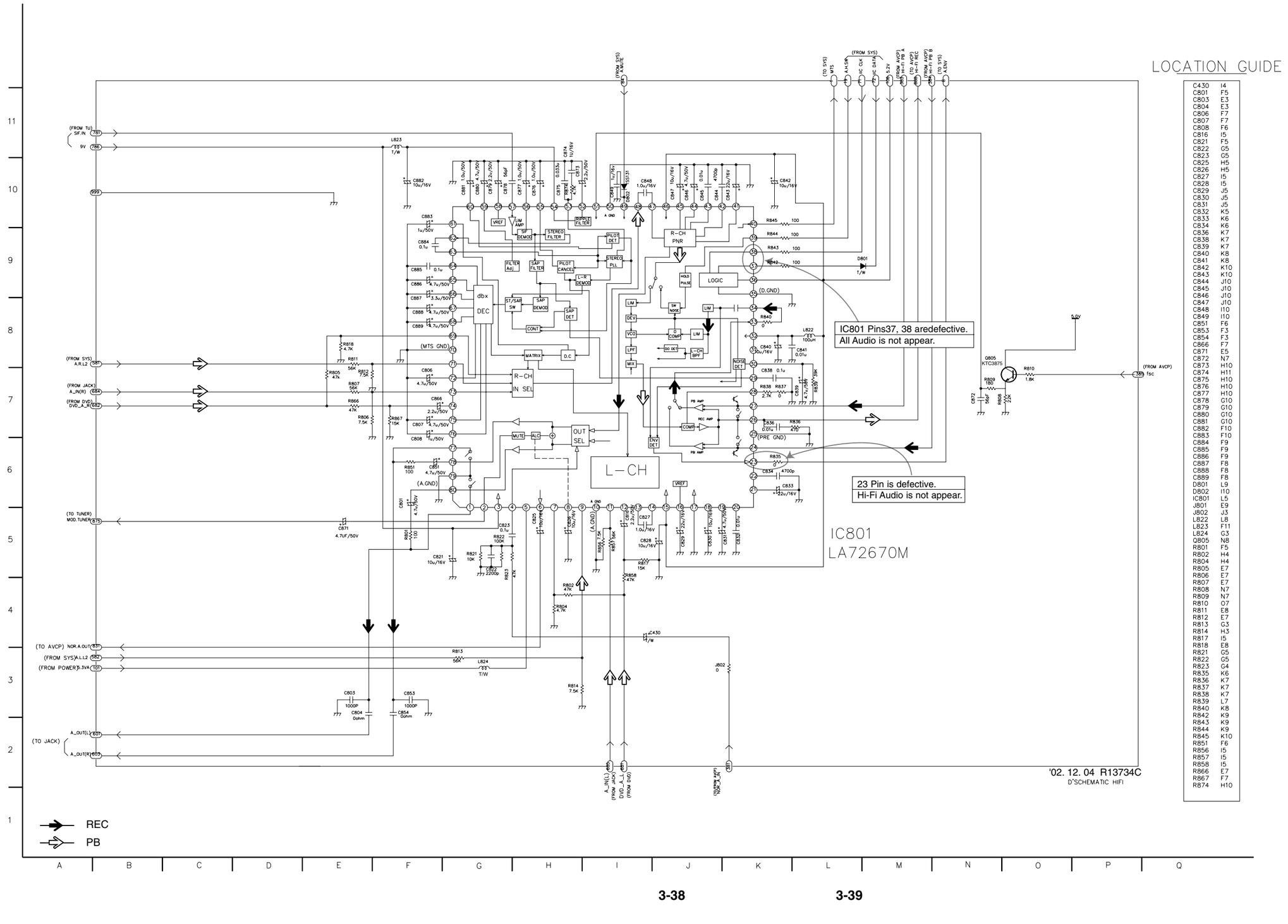


D'SCHEMATIC AVCP
VB602M
03.01.07 3854R13733A

LOCATION GUIDE

C301	C3	R330	L8
C302	D3	R331	L9
C303	E3	R332	K10
C304	E3	R333	I9
C305	F4	R335	I9
C306	F6	R336	H9
C307	F6	R337	H9
C308	F5	R338	G9
C309	K4	R339	G9
C310	F5	R340	F7
C311	H3	R341	K6
C312	G4	R342	M6
C313	G5	R344	J4
C314	H4	R345	F7
C315	H4	R346	F5
C316	H4	R347	F8
C317	H4	R348	C5
C318	I4	R349	D5
C319	J4	R350	J10
C320	J3	X301	I9
C321	K4		
C322	K3		
C323	K4		
C324	K5		
C325	K5		
C326	K5		
C327	K6		
C328	K6		
C329	K7		
C330	K7		
C331	K7		
C332	K7		
C333	K7		
C334	K8		
C335	K8		
C336	K9		
C337	K9		
C338	J9		
C339	J9		
C340	J9		
C341	J9		
C342	I9		
C343	I9		
C344	I9		
C345	I9		
C346	I9		
C347	F9		
C348	F8		
C349	F8		
C350	F8		
C351	F7		
C352	J9		
C353	J9		
C354	N6		
C355	D5		
C359	J4		
C360	O8		
D301	I3		
FL301	D4		
IC301	L4		
IC302	M10		
L301	E3		
L302	L5		
L303	J10		
L304	I10		
L305	E7		
P3D01	A8		
P3D02	A4		
P3D03	A3		
Q301	C4		
Q302	B4		
Q303	C4		
Q304	F3		
Q305	F3		
Q306	L9		
Q307	L6		
Q308	F4		
Q309	E4		
Q310	C5		
R301	C5		
R302	C4		
R303	C4		
R304	C4		
R305	C3		
R306	E3		
R307	E3		
R308	F3		
R309	F4		
R310	D4		
R311	E6		
R312	E6		
R313	E4		
R317	H5		
R318	H4		
R319	H4		
R320	H4		
R321	H4		
R322	I4		
R323	I3		
R324	M7		
R325	N7		
R326	I4		
R327	I4		
R328	K4		
R329	L8		

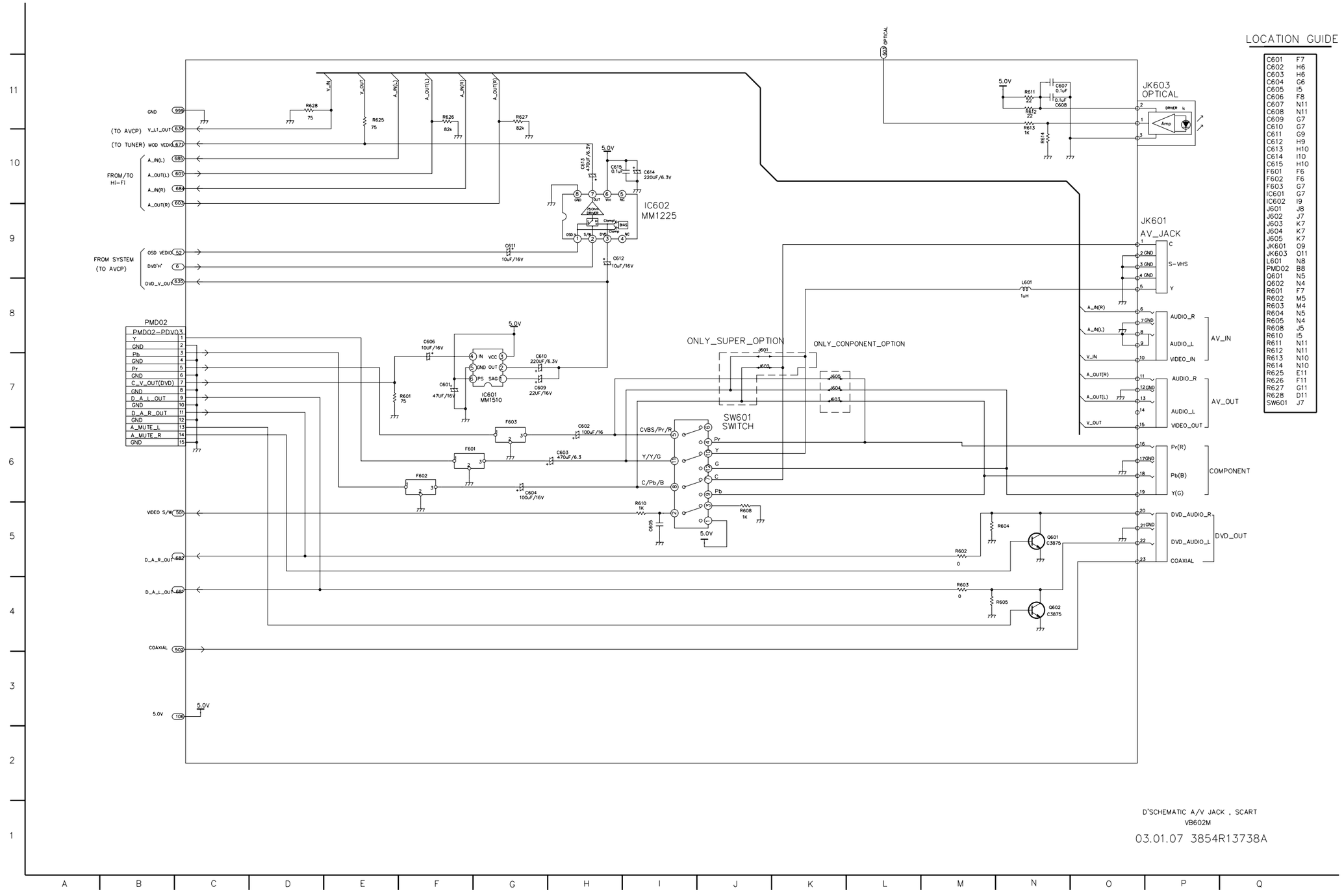
4. Hi-Fi CIRCUIT DIAGRAM



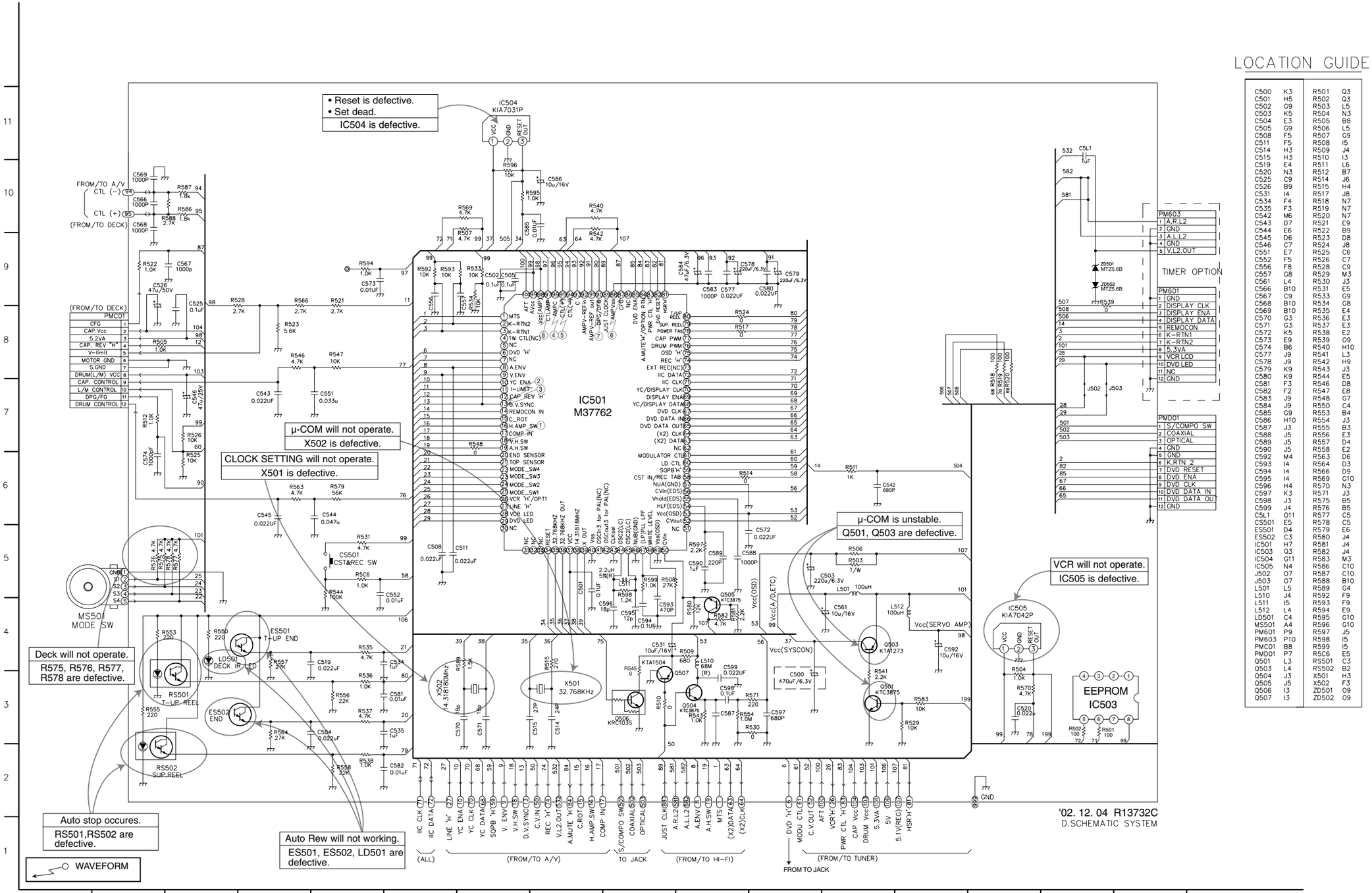
LOCATION GUIDE

C430	I4
C801	F5
C803	E3
C804	E3
C806	F7
C807	F7
C808	F6
C816	I5
C821	F5
C822	G5
C823	G5
C825	H5
C826	H5
C827	I5
C828	I5
C829	J5
C830	J5
C831	J5
C832	K5
C833	K6
C834	K6
C836	K7
C838	K7
C839	K7
C840	K8
C841	K8
C842	K10
C843	K10
C844	J10
C845	J10
C846	J10
C847	J10
C848	I10
C849	I10
C851	F6
C853	F3
C854	F3
C866	F7
C871	E5
C872	N7
C873	H10
C874	H11
C875	H10
C876	H10
C877	H10
C878	G10
C879	G10
C880	G10
C881	G10
C882	F10
C883	F10
C884	F9
C885	F9
C886	F9
C887	F8
C888	F8
C889	F8
D801	L9
D802	I10
IC801	L5
J801	E9
J802	J3
L822	L8
L823	F11
L824	G3
Q805	N8
R801	F5
R802	H4
R804	H4
R805	E7
R806	E7
R807	E7
R808	N7
R809	N7
R810	O7
R811	E8
R812	E7
R813	G3
R814	H3
R817	I5
R818	E8
R821	G5
R822	G5
R823	G4
R835	K6
R836	K7
R837	K7
R838	K7
R839	L7
R840	K8
R842	K9
R843	K9
R844	K9
R845	K10
R851	F6
R856	I5
R857	I5
R858	I5
R866	E7
R867	F7
R874	H10

5. JACK CIRCUIT DIAGRAM



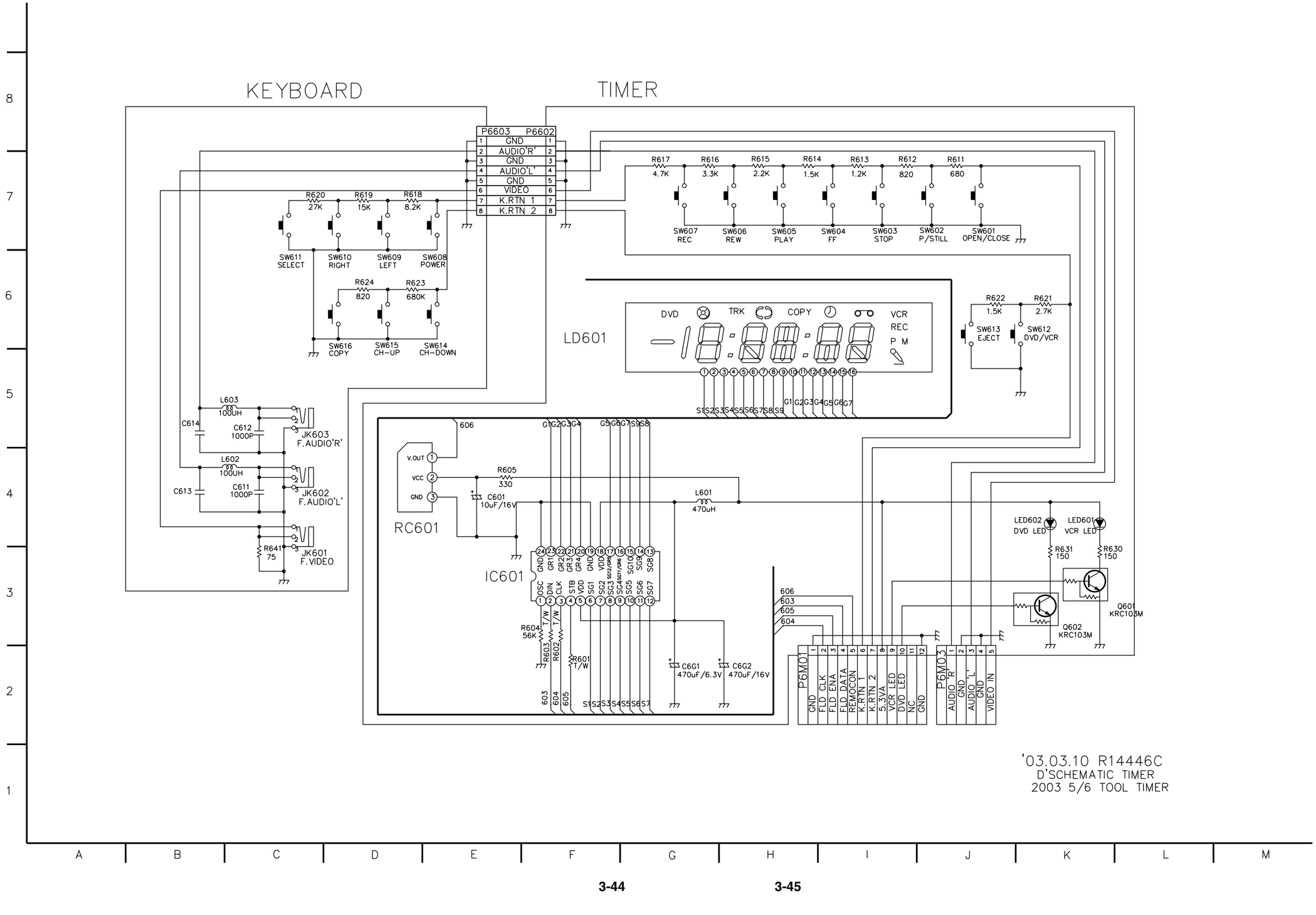
6. SYSTEM CIRCUIT DIAGRAM



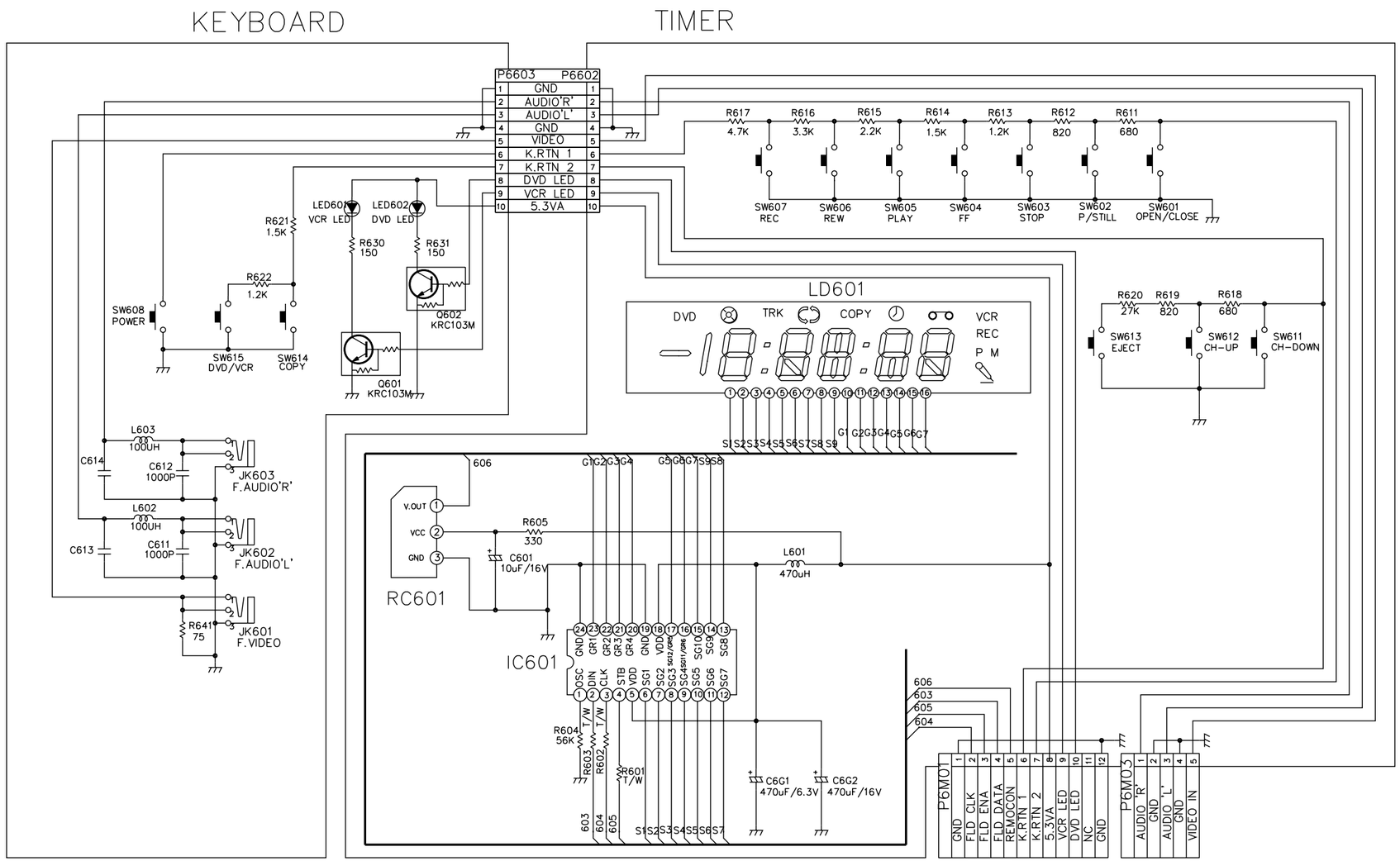
LOCATION GUIDE

C500	K3	R501	Q3
C501	H5	R502	Q3
C502	G9	R503	L5
C503	K5	R504	N3
C504	E3	R505	B8
C505	G9	R506	L5
C508	F5	R507	G9
C511	F5	R508	I5
C514	H3	R509	J4
C515	H3	R510	I3
C519	E4	R511	L6
C520	N3	R512	B7
C525	B9	R514	J6
C526	B9	R515	H4
C531	I4	R517	J8
C534	F4	R518	N7
C535	F3	R519	N7
C542	M6	R520	N7
C543	D7	R521	E9
C544	E6	R522	B9
C545	D6	R523	D8
C546	C7	R524	J8
C551	F7	R525	C6
C552	F5	R526	C7
C556	F8	R528	C9
C557	G8	R529	M3
C561	L4	R530	J3
C566	B10	R531	E5
C567	C9	R533	G9
C568	B10	R534	G8
C569	B10	R535	E4
C570	G3	R536	E3
C571	K3	R537	E3
C572	K5	R538	E2
C573	E9	R539	O9
C574	B6	R540	H10
C577	J9	R541	L3
C578	J9	R542	H9
C579	K9	R543	J3
C580	K9	R544	E5
C581	F3	R546	D8
C582	F2	R547	E8
C583	J9	R548	G7
C584	J9	R550	C4
C585	G9	R553	B4
C586	H10	R554	J3
C587	J3	R555	B3
C588	J5	R556	E3
C589	J5	R557	D4
C590	J5	R558	E2
C592	M4	R563	D6
C593	I4	R564	D3
C594	I4	R566	D9
C595	I4	R569	G10
C596	H4	R570	N3
C597	K3	R571	J3
C598	J3	R575	B5
C599	J4	R576	B5
C5L1	O11	R577	C5
CS501	E5	R578	C5
ES501	D4	R579	E6
ES502	C3	R580	J4
IC501	H7	R581	J4
IC503	Q3	R582	J4
IC504	G11	R583	M3
IC505	N4	R586	C10
J502	O7	R587	C10
J503	O7	R588	B10
L501	L5	R589	G4
L510	J4	R592	F9
L511	I5	R593	F9
L512	L4	R594	E9
LD501	C4	R595	G10
MS501	A4	R596	G10
PM601	P9	R597	J5
PM603	P10	R598	I5
PMC01	B8	R599	I5
PMD01	P7	R5C6	E5
Q501	L3	RS501	C3
Q503	L4	RS502	B2
Q504	J3	X501	H3
Q505	J5	X502	F3
Q506	I3	ZD501	O9
Q507	I3	ZD502	O9

7. TIMER CIRCUIT DIAGRAM(XBV343)



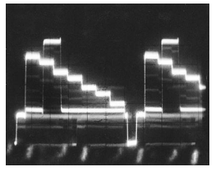
8. TIMER CIRCUIT DIAGRAM(XBV342)



• WAVEFORMS

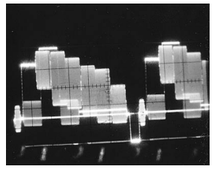
* IC301 Waveform

①



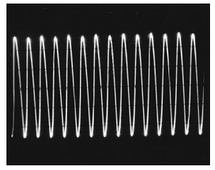
IC301 Pins 20, 21, 22
100mV/10msec DIV
VV/EE
20 Main DE Emphasis Filter
21 Main DE Emphasis out
22 Clamp in

②



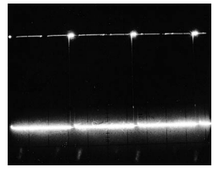
IC301 Pin 32
200mV/10msec DIV
EE
(VIDEO IN)

③



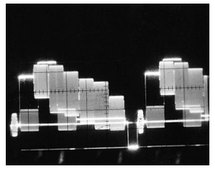
IC301 Pin 41
100mV/0.2msec DIV
REC/PB
(2fsc)

④



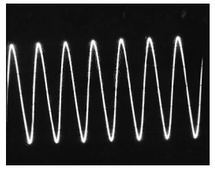
IC301 Pin 25
1.0V/20msec DIV
VV/EE
(C-SYNC OUT)

⑤



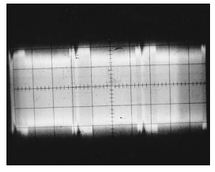
IC301 Pin 26
500mV/10msec DIV
VV/EE
(VIDEO OUT)

⑥



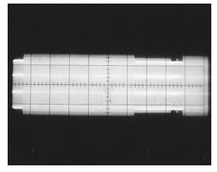
IC301 Pin 49
100mV/0.2msec DIV
PB/REC
(3.58MHz X-TAL IN)

⑦



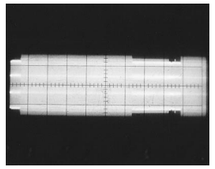
IC301 Pin 14
100mV/5msec DIV
PB
(PB RF out)

⑧



IC301 Pin 73
500mV/2msec DIV
SP REC
(REC RF)

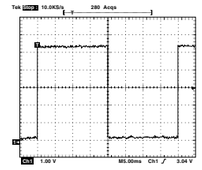
⑨



IC301 Pin 66
500mV/2msec DIV
EP REC
(REC RF)

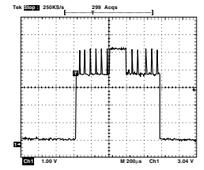
* IC501 Waveform

①



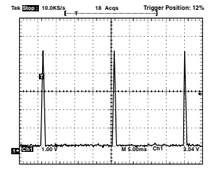
IC501 Pin 18
REC/PB

②



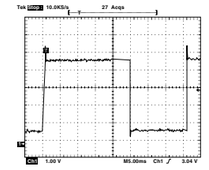
IC501 Pin 13
QUE/REV

③



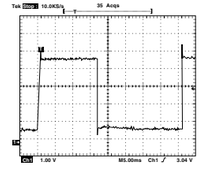
IC501 Pin 13
QUE/REV

④



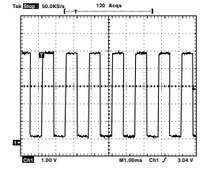
IC501 Pin 95
REC

⑤



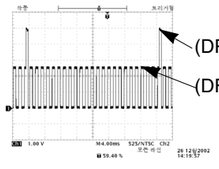
IC501 Pin 94
REC

⑥



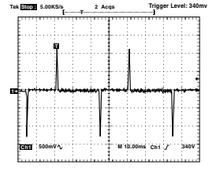
IC501 Pin 87
REC/PB

⑦



IC501 Pin 90
REC/PB
(DPG/DFG)

⑧



IC501 Pin 97
PB
(CTL OUT)

• CIRCUIT VOLTAGE CHART

MODE / PIN NO.	EE	PLAY
I C 3 0 1		
1	2.3	2.31
2	2.29	2.28
3	2.29	2.28
4	2.29	2.28
5	2.31	2.29
6	2.3	2.31
7	0	2.31
8	2.31	2.32
9	2.31	2.31
10	2.25	2.27
11	4.93	4.93
12	1	1
13	0.97	0.97
14	1.92	1.89
15	1.55	1.53
16	0	0
17	2.37	2.55
18	2.39	1.45
19	0	0
20	2.46	2.49
21	1.73	1.79
22	3.07	2.29
23	4.96	4.95
24	0	0
25	0.36	0.35
26	1.83	1.87
27	1.47	1.6
28	2.25	2.56
29	2.32	2.31
30	2.25	2.26
31	4.08	4.08
32	2.25	2.26
33	3.62	2.8
34	2.97	2.93
35	3.13	3.14
36	2.37	2.37
37	2.35	2.29
38	0	0
39	1.82	1.87
40	0	0
41	0.83	0.83
42	2.34	2.37
43	0	0
44	4.92	4.92
45	4.95	4.95
46	2.27	3.17
47	3.31	3.31
48	3.32	3.32
49	3.94	3.94
50	2.54	2.55
51	2.12	2.09
52	4.95	4.95
53	4.75	4.62
54	4.7	4.52

MODE / PIN NO.	EE	PLAY
55	0.68	0.93
56	0	0
57	0	2.56
58	0	1.61
59	0	2.9
60	4.91	0.94
61	2.92	1.94
62	0	0
63	3.96	3.98
64	1.76	1.72
65	1.84	1.85
66	1.84	1.86
67	1.84	1.86
68	4.93	4.93
69	0.18	0
70	0.15	0
71	0	0
72	1.82	0.71
73	1.82	0.71
74	1.82	0.71
75	0	0
76	2.3	2.3
77	4.96	4.96
78	2.3	2.3
79	0	0
80	2.3	2.3
I C 3 0 2		
1	2.96	2.96
2	0	0
3	3.01	3
4	5.12	5.12
5	2.95	2.95
6	4.97	4.97
7	2.2	2.2
8	0	0
I C 5 0 1		
1	0.97	0
2	5.17	5.17
3	5.17	5.16
4	0	0
5	0.5	0.54
6	0	0
7	0.4	0.42
8	0.19	4.06
9	0.29	3.91
10	0.68	0.99
11	0	3.42
12	0	0
13	0	0
14	4.78	4.78
15	0	2.57
16	0	0
17	0.68	0.43
18	2.56	2.57
19	2.57	2.57

MODE / PIN NO.	EE	PLAY
20	0	0
21	0.11	0.11
22	5.17	5.17
23	5.17	5.17
24	5.17	5.17
25	0	0
26	5.13	5.13
27	5.13	5.17
28	5.13	5.13
29	0	0
30	0	0
31	0	0
32	0	0
33	0	0
34	5.15	5.15
35	1.52	1.51
36	1.43	1.44
37	5.15	5.15
38	2.19	2.18
39	2.28	2.27
40	0	0
41	0.51	0.55
42	0.26	0.55
43	0.26	0
44	2.35	2.34
45	2.41	2.41
46	0	0
47	1.29	0
48	0	0
49	0	0
50	1.88	1.99
51	0.53	0.57
52	1.88	1.98
53	4.96	4.95
54	2.03	2.03
55	2.6	1.92
56	1.96	2.05
57	0	0
58	0	0
59	0	0
60	2.57	2.58
61	0	4.28
62	0	0
63	0	0
64	0	0
65	0.97	0.86
66	2.38	0
67	5.07	5.07
68	4.7	4.45
69	5.02	4.97
70	4.75	4.61
71	5.17	5.17
72	5.17	5.17
73	0	0
74	0	0

MODE / PIN NO.	EE	PLAY
75	0	0
76	0	1.79
77	0	2.72
78	0	4.76
79	0	0
80	0	0
81	0	0
82	4.94	4.94
83	5.03	4.98
84	0	0
85	2.69	2.67
86	0.58	0.68
87	0.17	2.36
88	0	0
89	0.54	0
90	0.1	1.36
91	2.53	2.54
92	2.54	2.53
93	0.21	0
94	2.5	2.49
95	2.5	2.49
96	2.52	2.52
97	2.52	2.52
98	5.08	5.08
99	5.17	5.17
100	2.64	1.95
I C 5 0 4		
1	5.19	5.19
2	0	0
3	5.14	5.14
I C 5 0 5		
1	5.19	5.19
2	0	0
3	4.7	4.7
I C 6 0 1		
1	1.93	1.93
2	2.01	2.01
3	5.05	5.05
4	1.7	1.7
5	0	0
6	5.05	5.05
I C 6 0 2		
1	2.51	2
2	0	0
3	2.27	2.35
4	0	0
5	0	0
6	5.06	5.06
7	2.53	2.04
8	0	0
I C 8 0 1		
1	0	0
2	2.56	2.54
3	9.21	9.18
4	2.48	2.48

MODE / PIN NO.	EE	PLAY
5	5.19	5.19
6	1.91	2.07
7	0	0
8	0.29	1.31
9	0	0
10	0	0
11	0	0
12	2.5	2.5
13	1.91	2.44
14	2.49	2.49
15	5.06	5.05
16	2.51	2.51
17	0	0
18	0	0.86
19	2.51	2.44
20	2.52	2.45
21	2.52	2.43
22	2.51	2.42
23	0.19	3.66
24	2.25	2.3
25	0	0
26	2.24	2.3
27	2.25	2.3
28	0	0
29	2.48	0.11
30	0	1.34
31	2.51	3.79
32	5.02	5.01
33	2.64	2.65
34	2.64	2.64
35	0	0
36	5.06	5.05
37	5.17	5.05
38	5.17	5.17
39	0	2.57
40	0.19	0
41	2.52	2.45
42	2.51	2.43
43	2.52	2.45
44	2.52	2.45
45	0	0.25
46	5.06	5.05
47	2.49	2.49
48	1.9	2.42
49	0	0
50	0	0
51	2.05	2.06
52	1.22	0
53	3.86	0.25
54	9.2	9.19
55	6.26	0.28
56	1.96	0.29
57	2.2	2.15
58	4.56	0
59	2.52	2.35

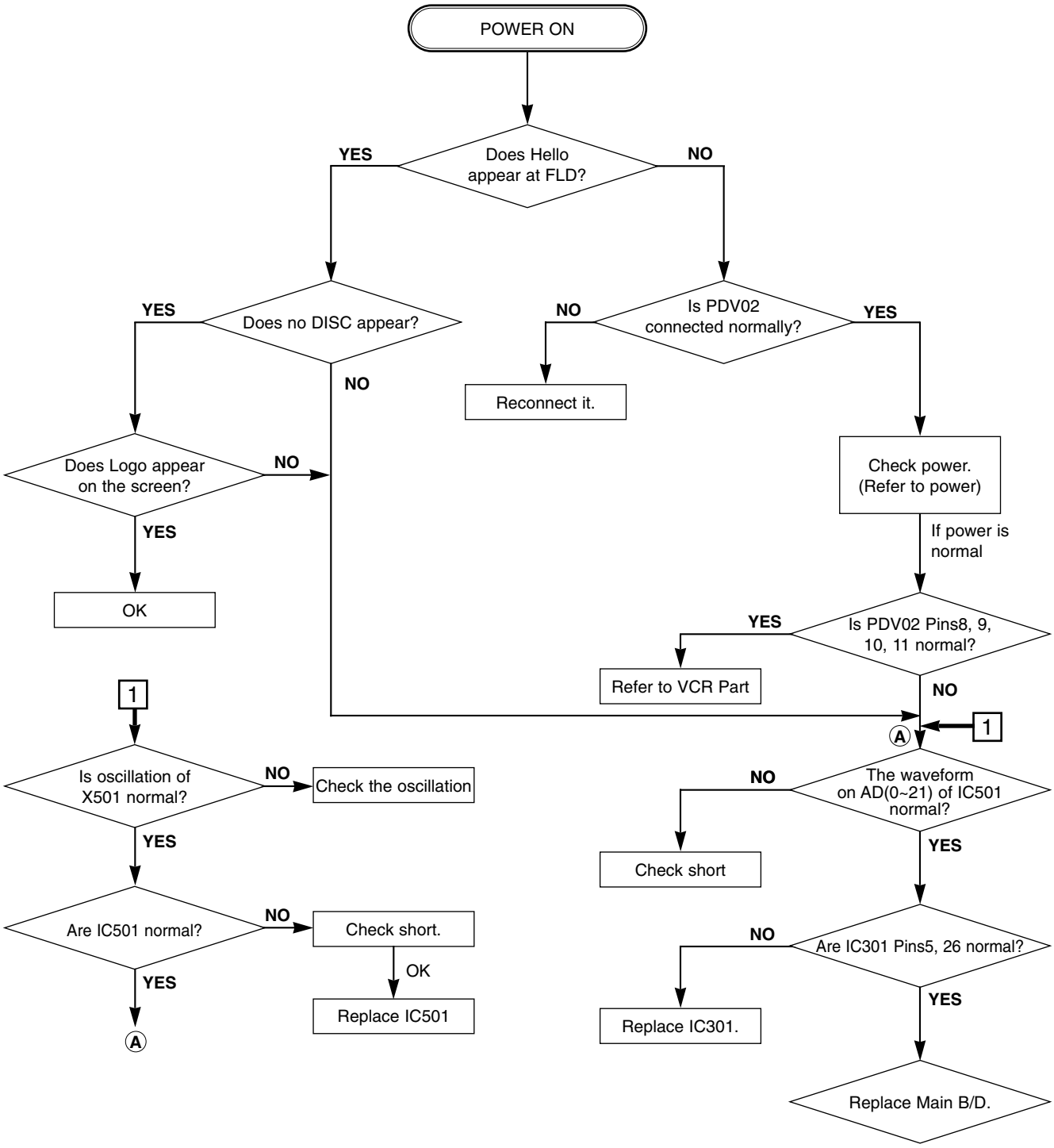
MODE / PIN NO.	EE	PLAY
60	3.86	0.23
61	3.15	0.24
62	4.02	0
63	3.83	0
64	2.45	0
65	3.87	0.32
66	4.09	0.32
67	3.88	0.31
68	3.94	0.31
69	0	0
70	0	0
71	0	0
72	3.86	0.31
73	0	0
74	2.5	2.5
75	3.87	0.4
76	3.17	0.22
77	0	0
78	4.42	4.3
79	0	0
80	4.4	4.3
S W 6 0 1		
1	5.06	5.07
2	5.06	5.07
3	0	0
4	0.1	0.73
5	0.1	0.73
6	0.13	0
7	0	0.26
8	0.76	0.77
9	0.76	0.76
10	0	0
11	0	0
12	0	0

Location No.	Base		Emitter		Collector	
	EE	PB	EE	PB	EE	PB
Q301	4.26	4.26	4.97	4.96	4.907	4.91
Q302	0.758	1.74	0	0	0	0
Q303	0.734	0.72	0	0	0	0
Q304	0	0	0	0	0	0
Q305	4.92	4.92	4.94	4.93	0	0
Q306	1.828	1.86	2.45	2.5	0	0
Q307	1.843	2.05	2.51	2.62	0	0
Q308	5.19	5.19	4.87	4.91	4.93	4.92
Q309	0	0	0	0	4.91	4.97
Q501	0.68	0.68	0	0	0	0
Q503	5.17	5.17	4.48	4.48	5.15	5.15
Q504	2.82	2.94	2.18	2.27	4.95	4.95
Q505	1.58	1.58	1.03	2.24	4.96	4.96
Q506	5.07	0	0	0	0	3.29
Q507	2.8	2.6	0	3.23	0	0
Q805	2.56	2.56	2.08	2.08	5.06	5.05
Q701	9.02	9.24	9.82	9.81	12.58	12.99
Q702	4.98	4.97	5.7	5.7	5.19	5.19
Q601	0.75	0.75	0	0	0	0
Q602	0.75	0.75	0	0	0	0

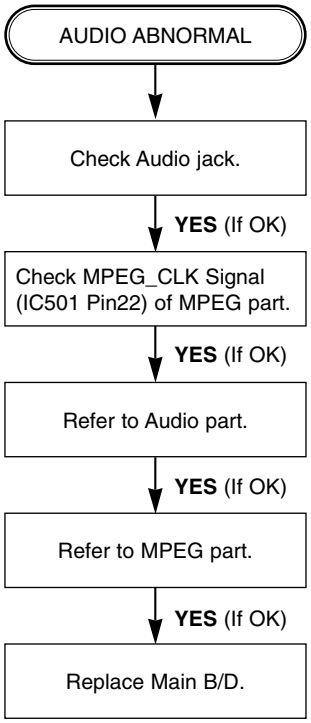
DVD PART(NS MODEL)
ELECTRICAL TROUBLESHOOTING GUIDE

1. µ-COM Circuit

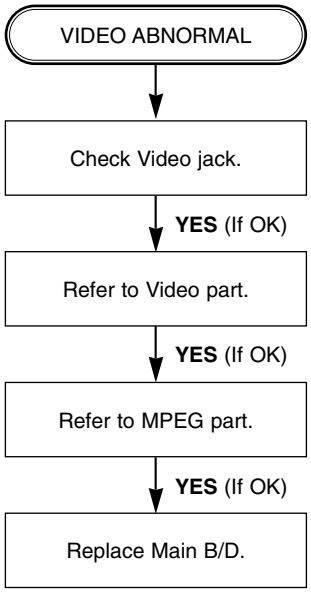
A. No Power



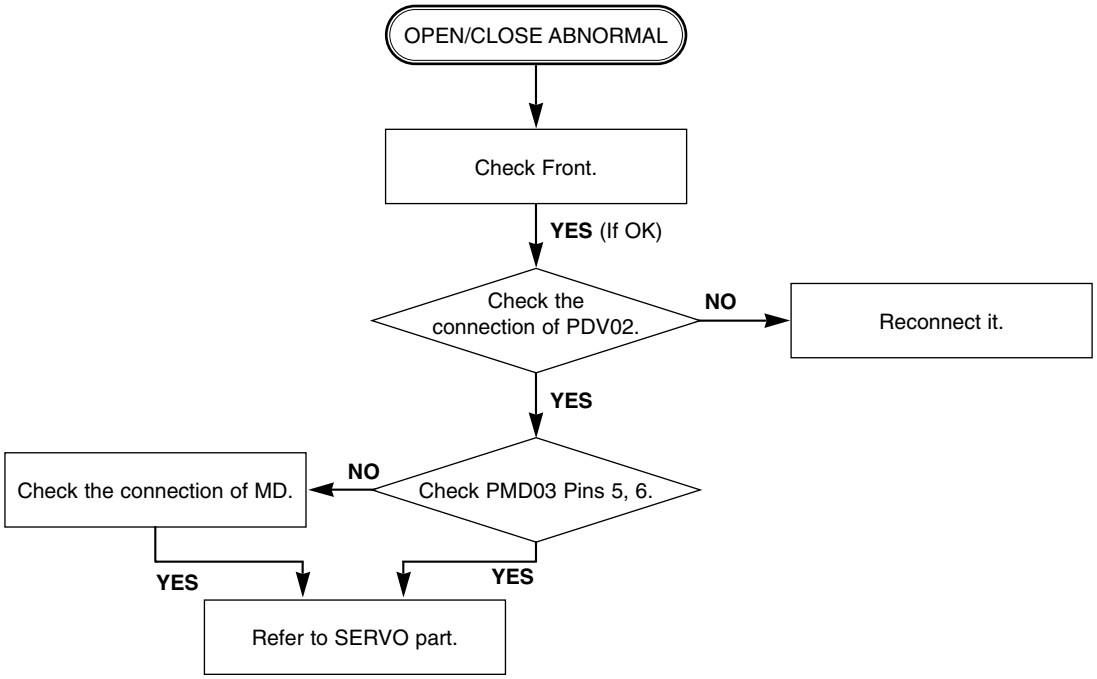
B. Audio abnormal



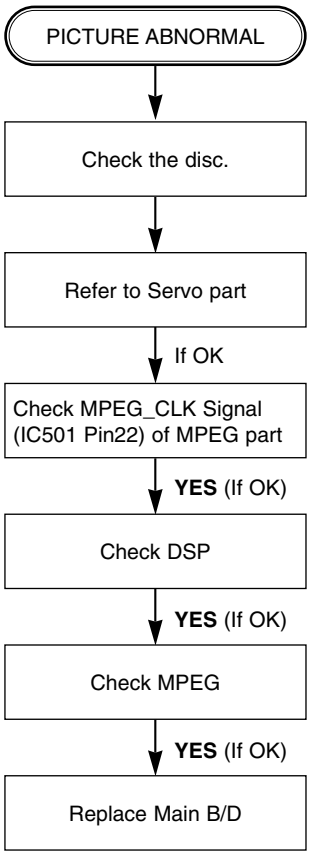
C. Video abnormal



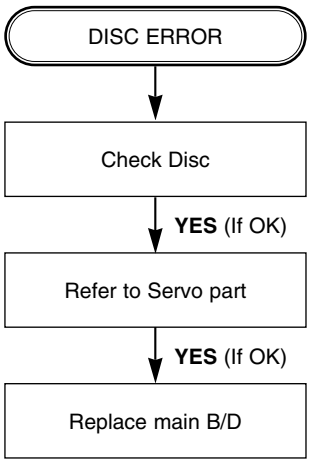
D. Open/Close abnormal



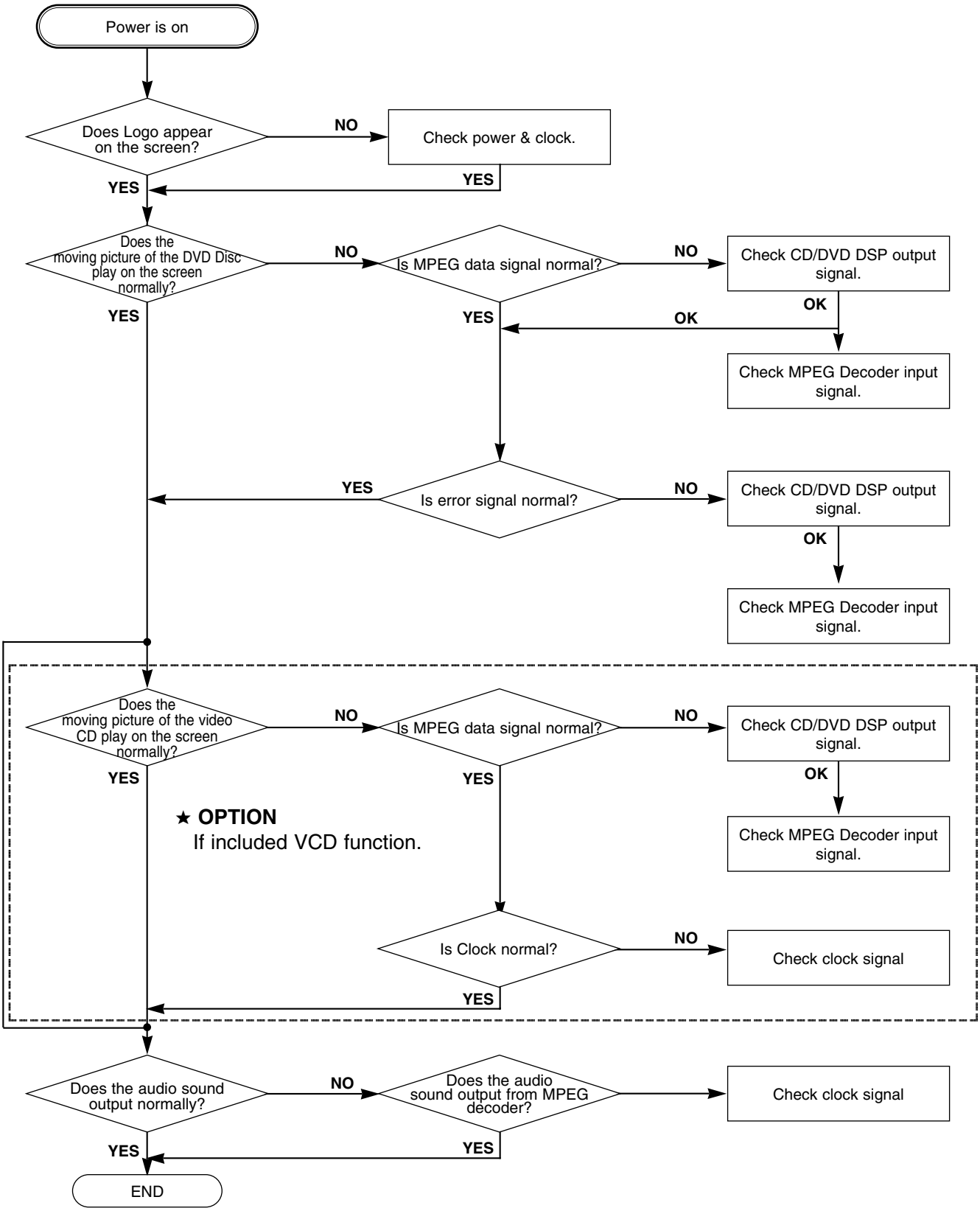
E. Picture abnormal



F. Disc Error

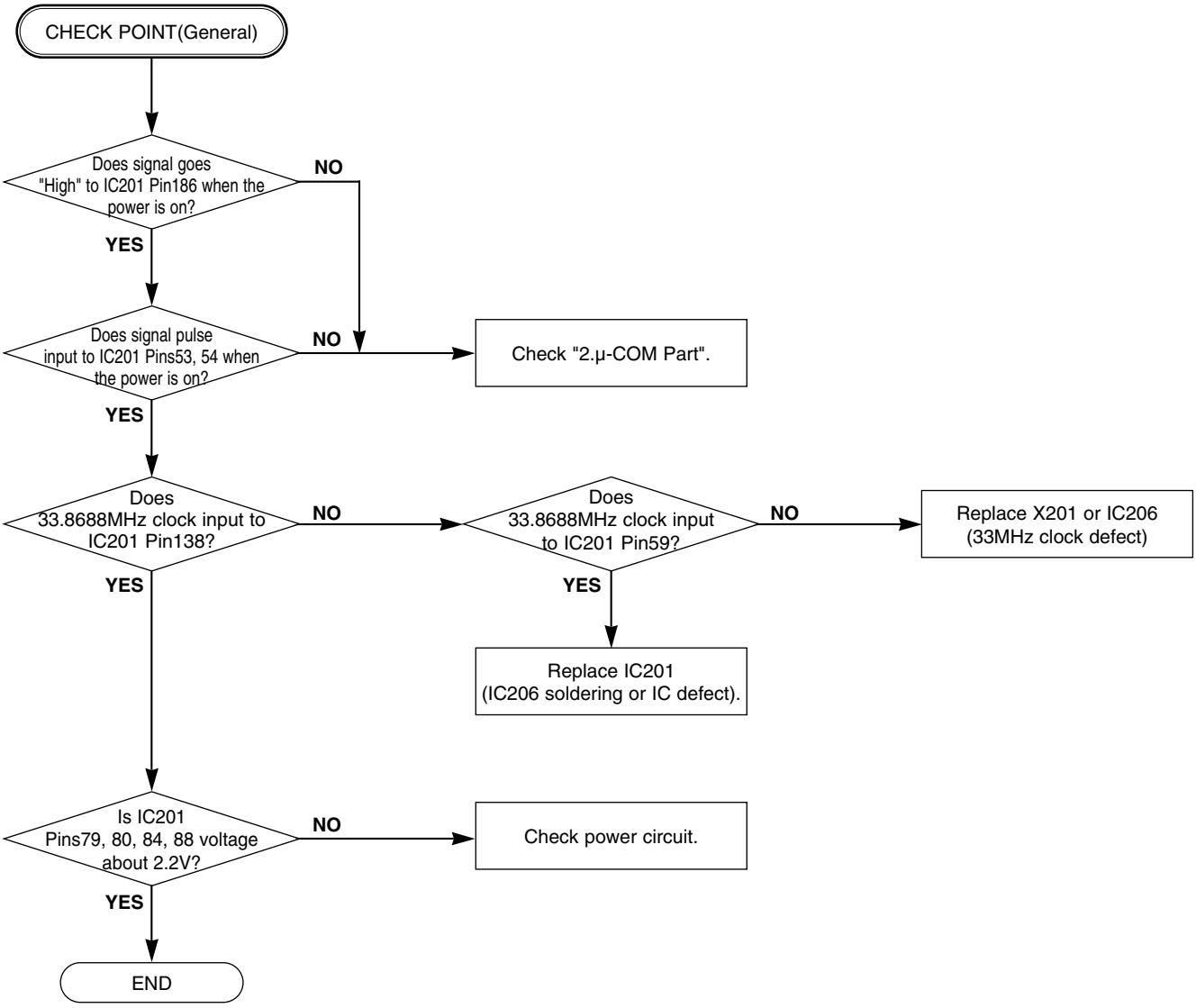


2. MPEG Circuit

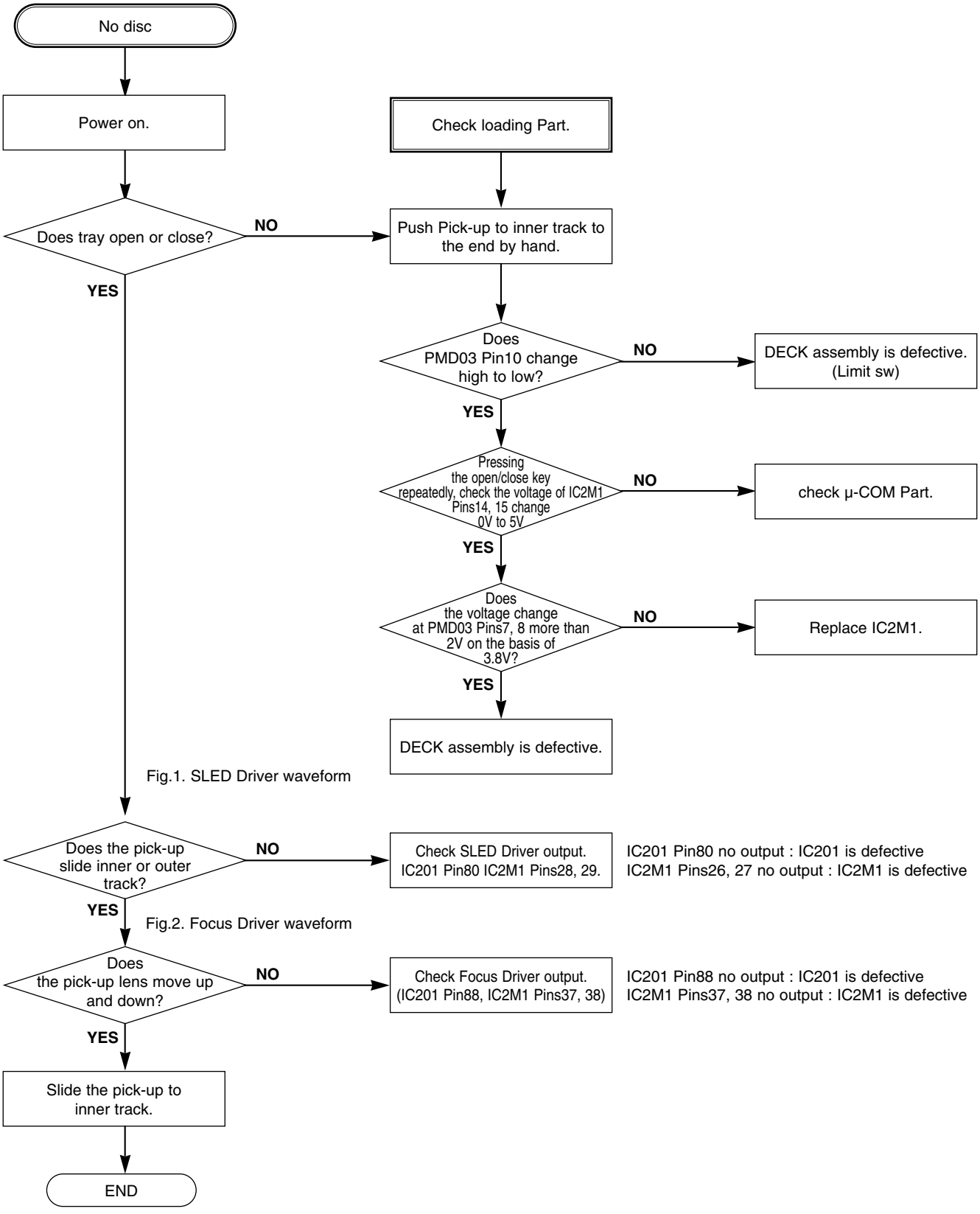


3. RF/Servo Circuit

A.



B.


No disc
Power on.
Does tray open or close?
NO
YES
Check loading Part.
Push Pick-up to inner track to the end by hand.
Does PMD03 Pin10 change high to low?
NO
DECK assembly is defective. (Limit sw)
YES
Pressing the open/close key repeatedly, check the voltage of IC2M1 Pins14, 15 change 0V to 5V
NO
check µ-COM Part.
YES
Does the voltage change at PMD03 Pins7, 8 more than 2V on the basis of 3.8V?
NO
Replace IC2M1.
YES
DECK assembly is defective.
Fig.1. SLED Driver waveform
Does the pick-up slide inner or outer track?
NO
Check SLED Driver output. IC201 Pin80 IC2M1 Pins28, 29.
IC201 Pin80 no output : IC201 is defective
IC2M1 Pins26, 27 no output : IC2M1 is defective
YES
Fig.2. Focus Driver waveform
Does the pick-up lens move up and down?
NO
Check Focus Driver output. (IC201 Pin88, IC2M1 Pins37, 38)
IC201 Pin88 no output : IC201 is defective
IC2M1 Pins37, 38 no output : IC2M1 is defective
YES
Slide the pick-up to inner track.
END

C.

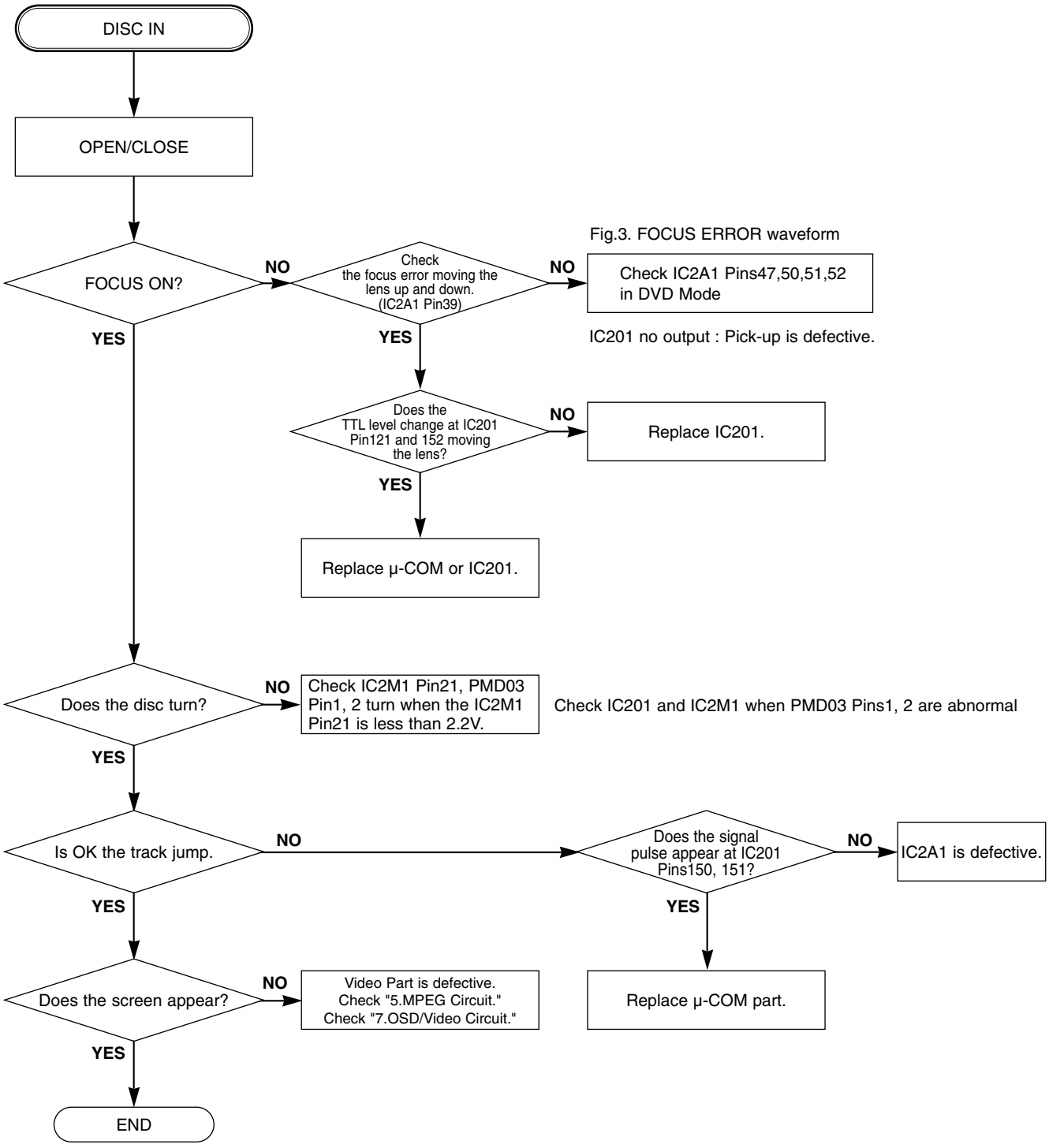
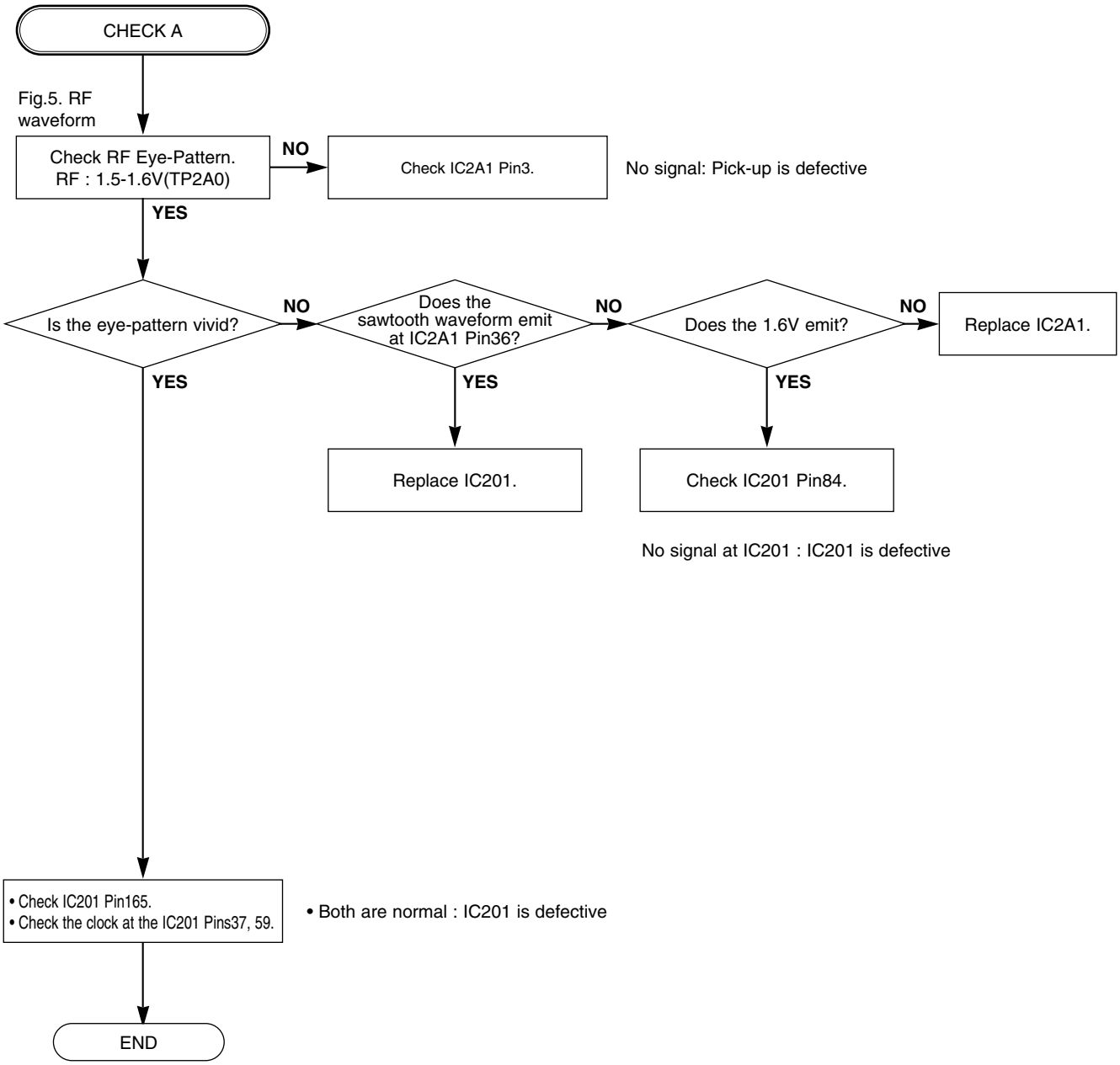


Fig.3. FOCUS ERROR waveform

IC201 no output : Pick-up is defective.

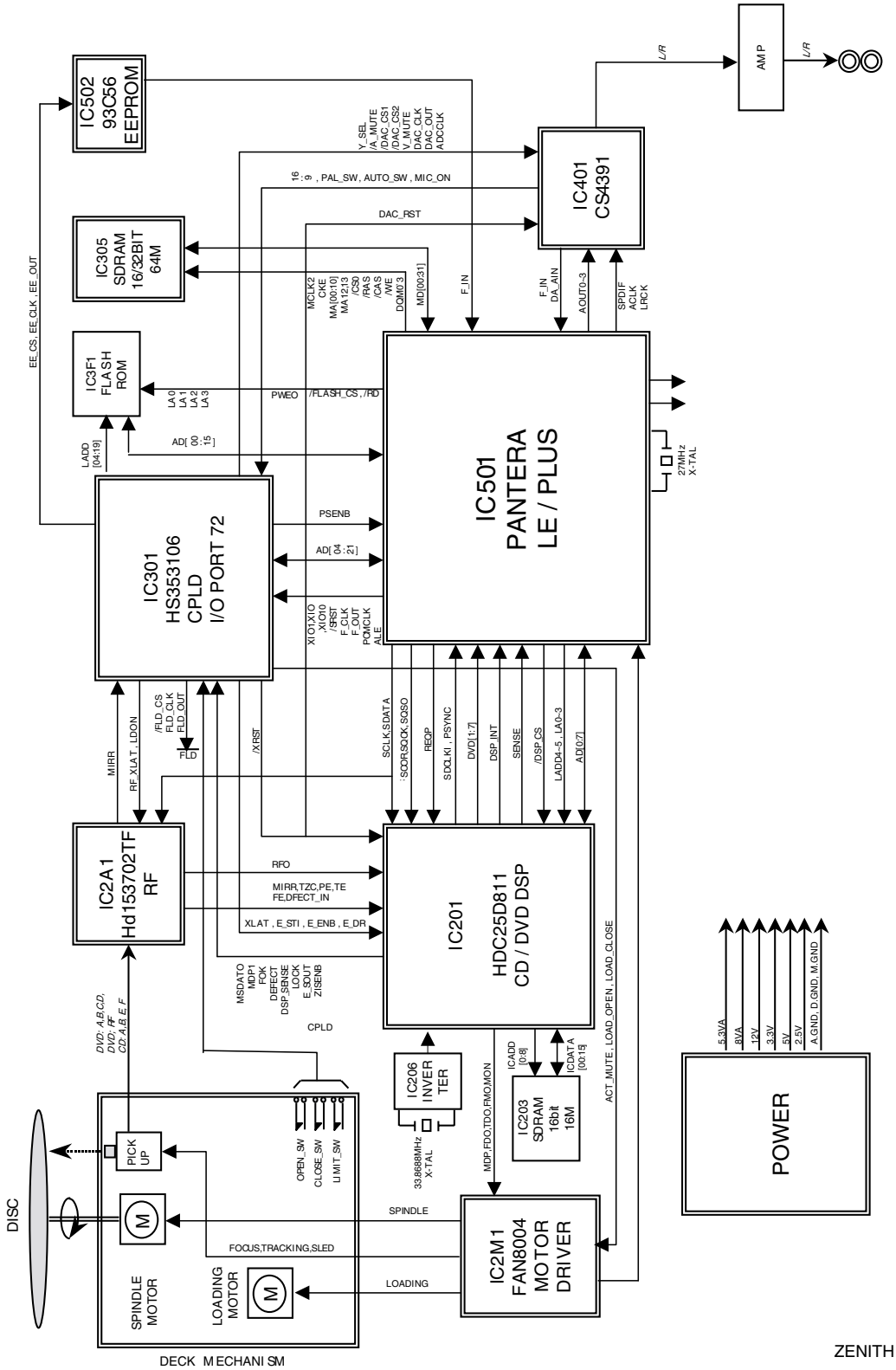
Check IC201 and IC2M1 when PMD03 Pins1, 2 are abnormal

D.

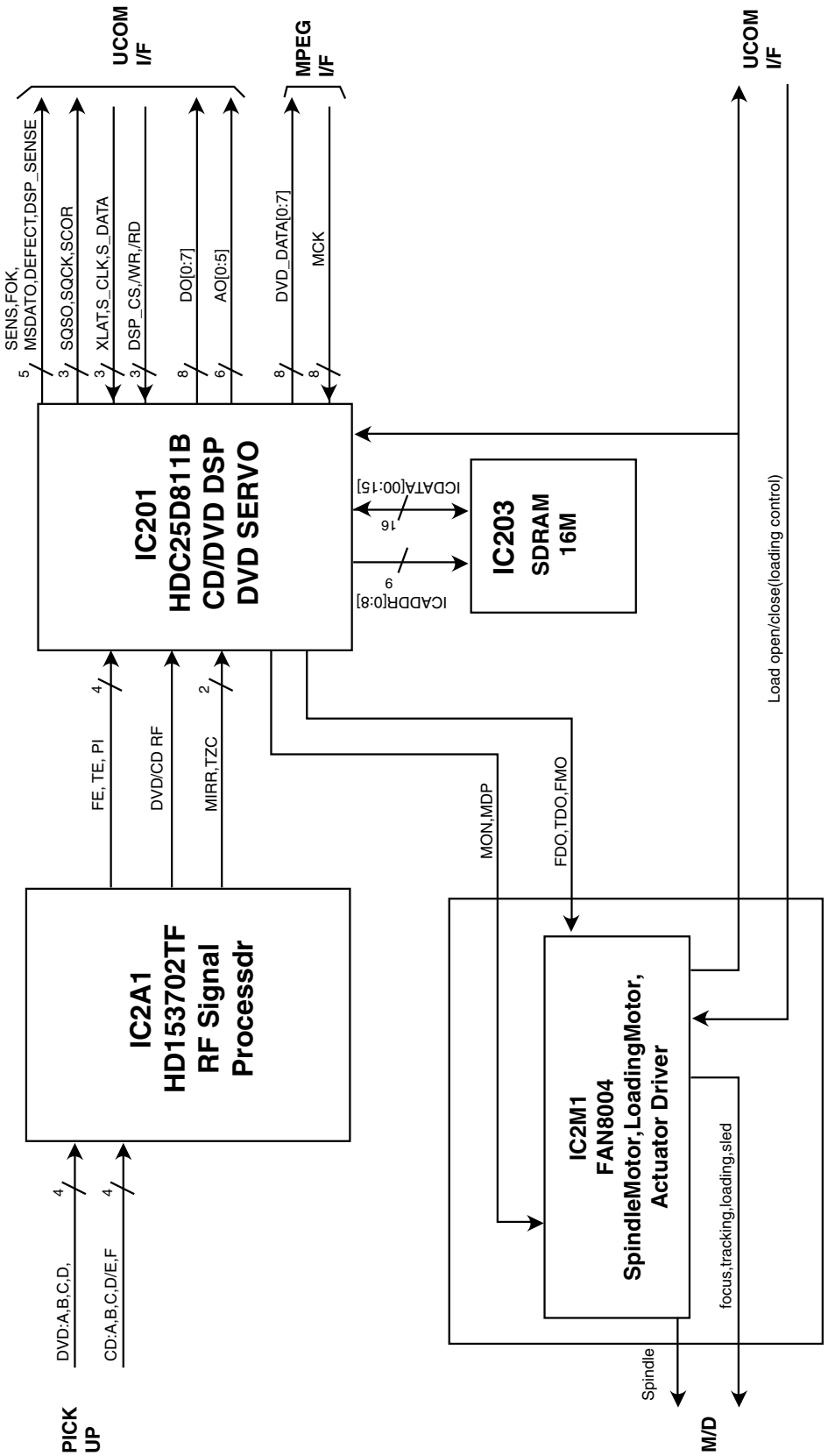

CHECK A
Fig.5. RF waveform
Check RF Eye-Pattern.
RF : 1.5-1.6V(TP2A0)
NO
Check IC2A1 Pin3.
No signal: Pick-up is defective
YES
Is the eye-pattern vivid?
NO
Does the sawtooth waveform emit at IC2A1 Pin36?
NO
Does the 1.6V emit?
NO
Replace IC2A1.
YES
YES
YES
Replace IC201.
Check IC201 Pin84.
No signal at IC201 : IC201 is defective
• Check IC201 Pin165.
• Check the clock at the IC201 Pins37, 59.
• Both are normal : IC201 is defective
END

BLOCK DIAGRAMS

1. DVD OVERALL BLOCK DIAGRAM

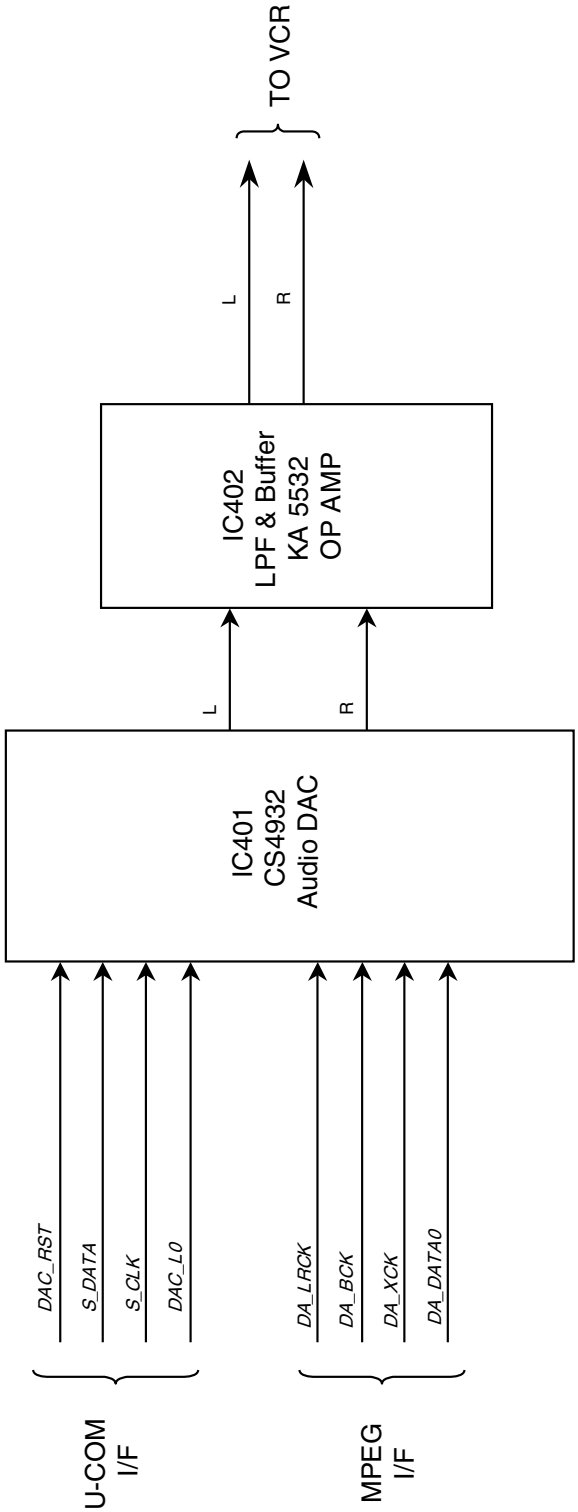


2. RF/CD DSP/DVD DSP/DVD SERVO BLOCK DIAGRAM

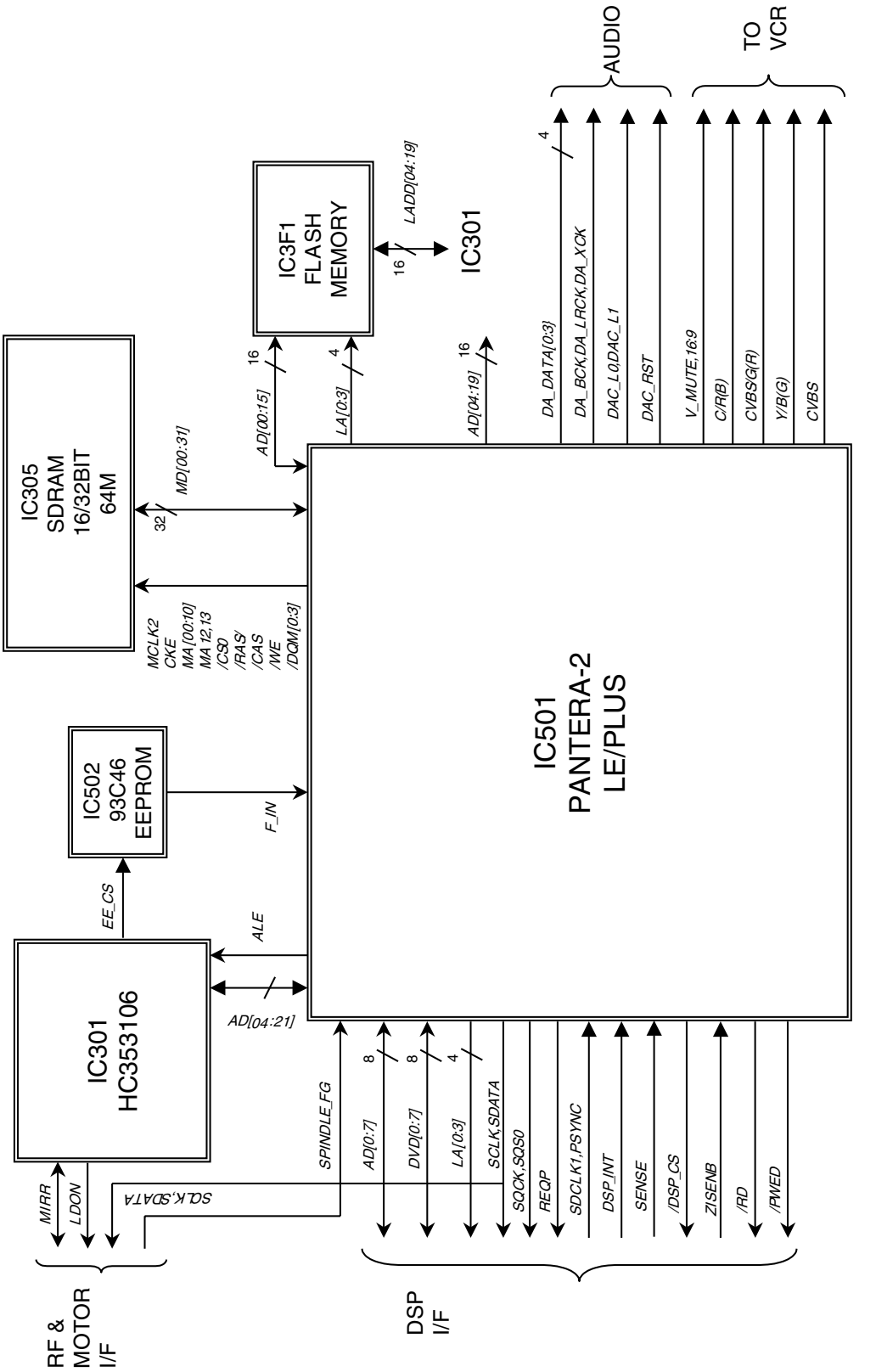


ZENITH

3. AUDIO BLOCK DIAGRAM



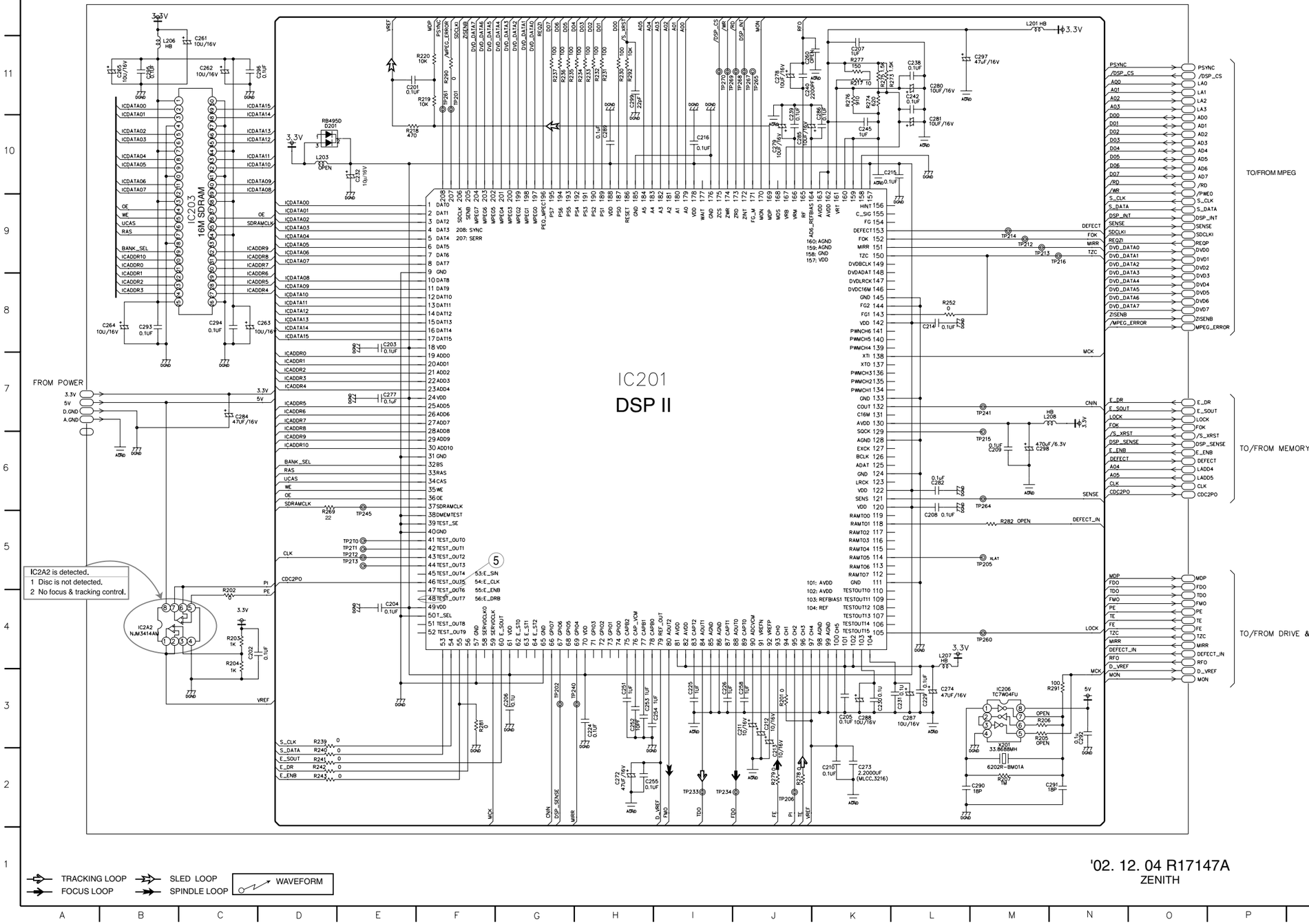
4. MEMORY BLOCK DIAGRAM



ZENITH

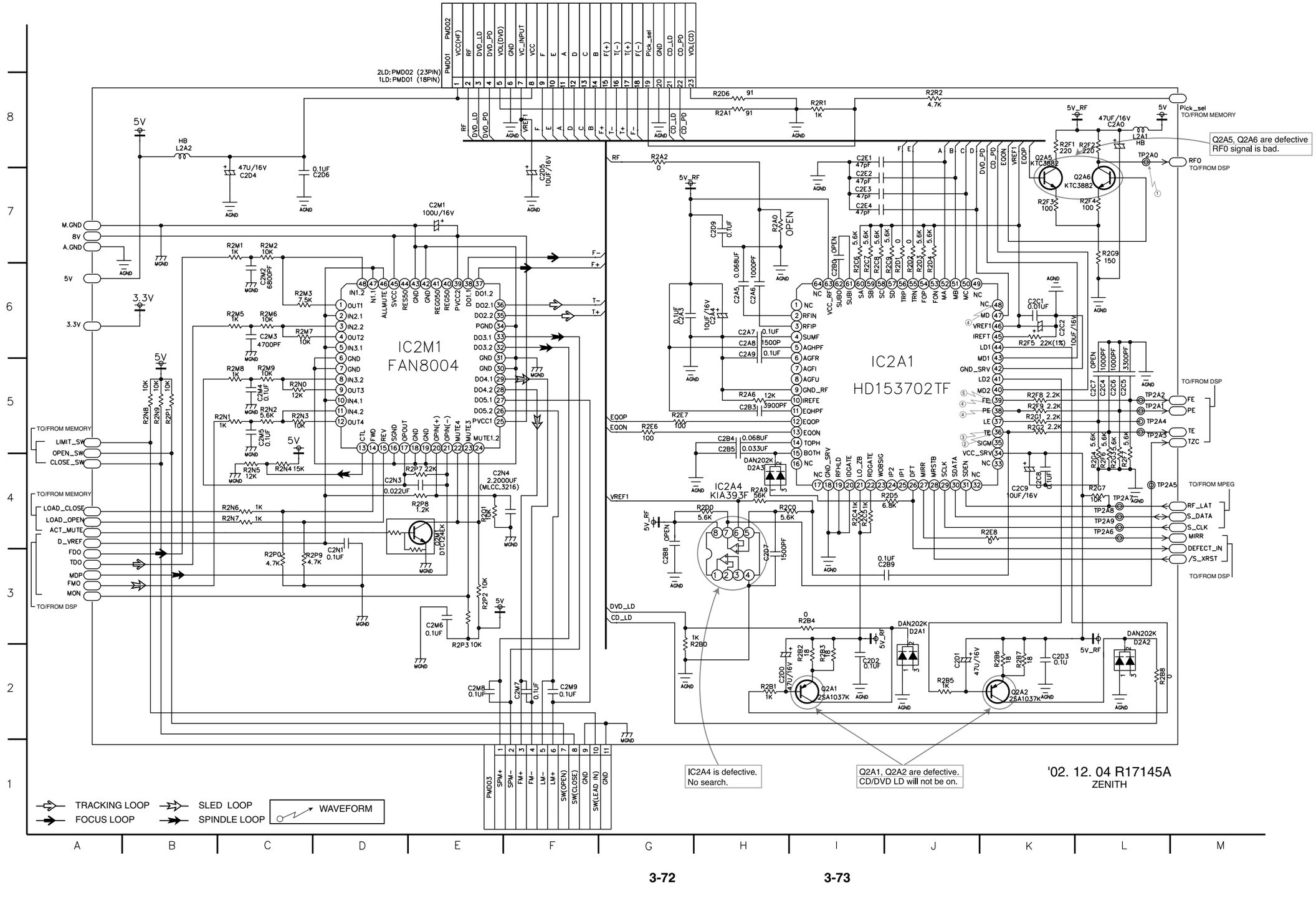
CIRCUIT DIAGRAMS

1. DVD DSP CIRCUIT DIAGRAM

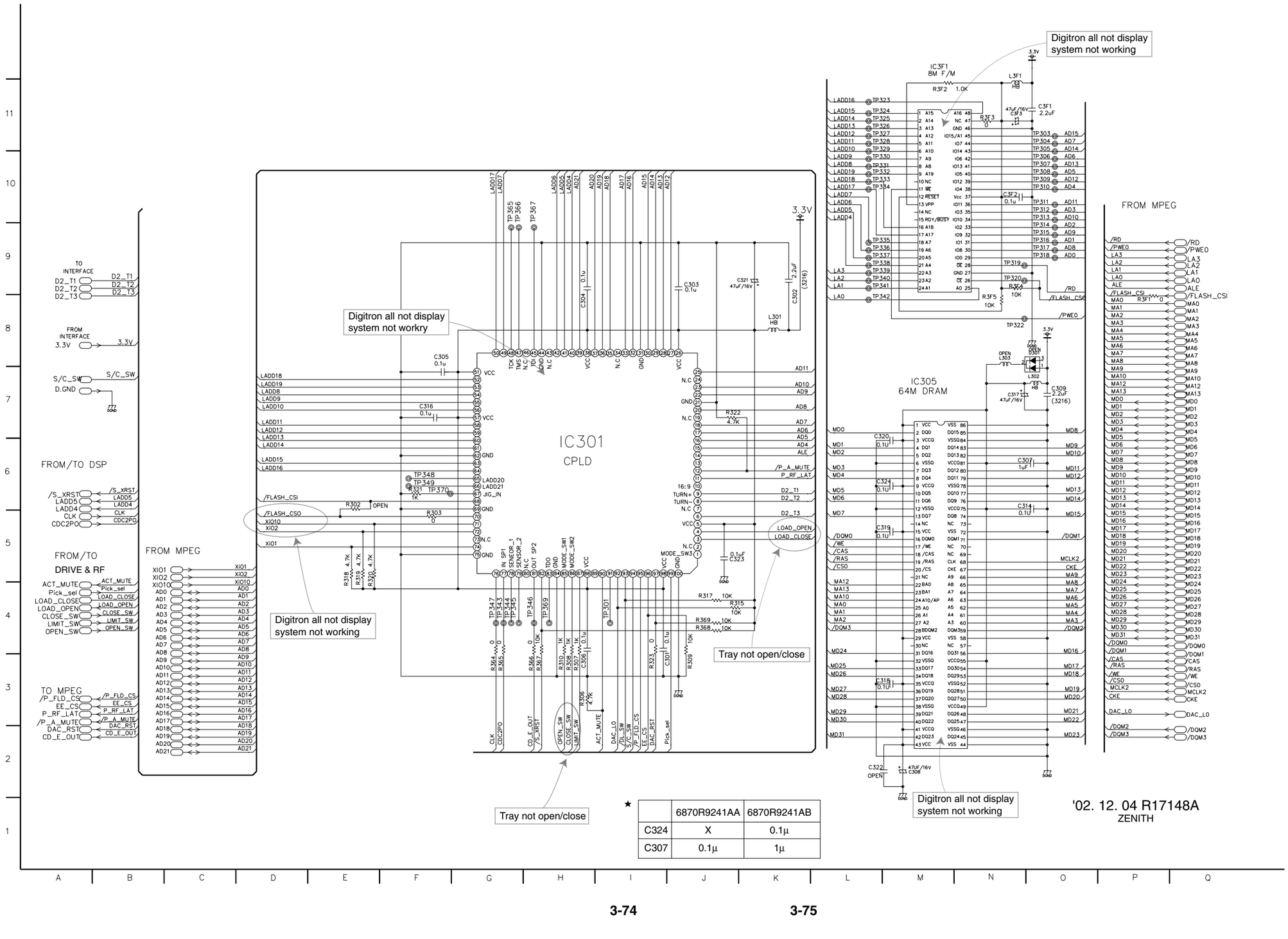


'02. 12. 04 R17147A
ZENITH

2. DRIVE & RF CIRCUIT DIAGRAM



3. MEMORY CIRCUIT DIAGRAM

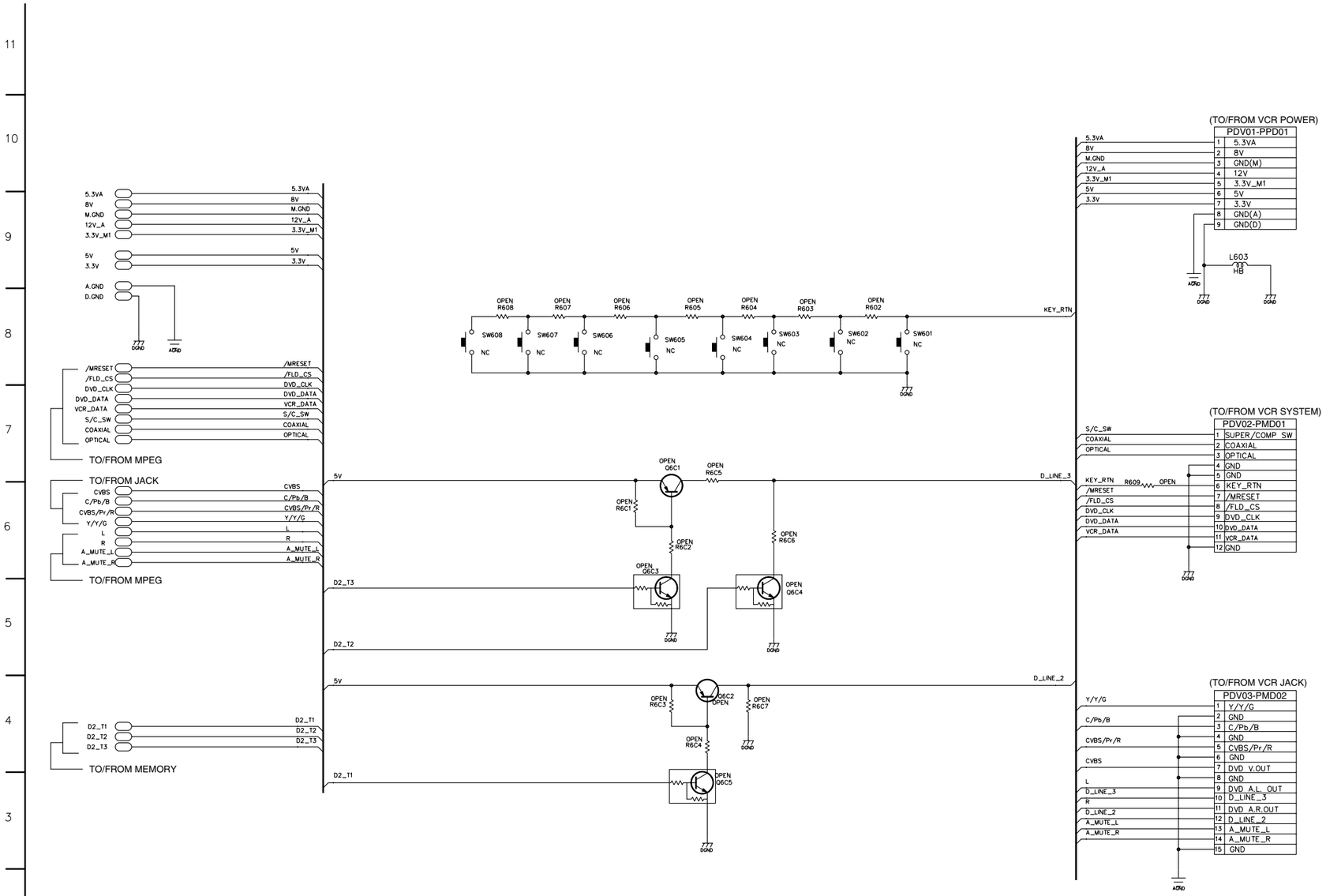


★

	6870R9241AA	6870R9241AB
C324	X	0.1μ
C307	0.1μ	1μ

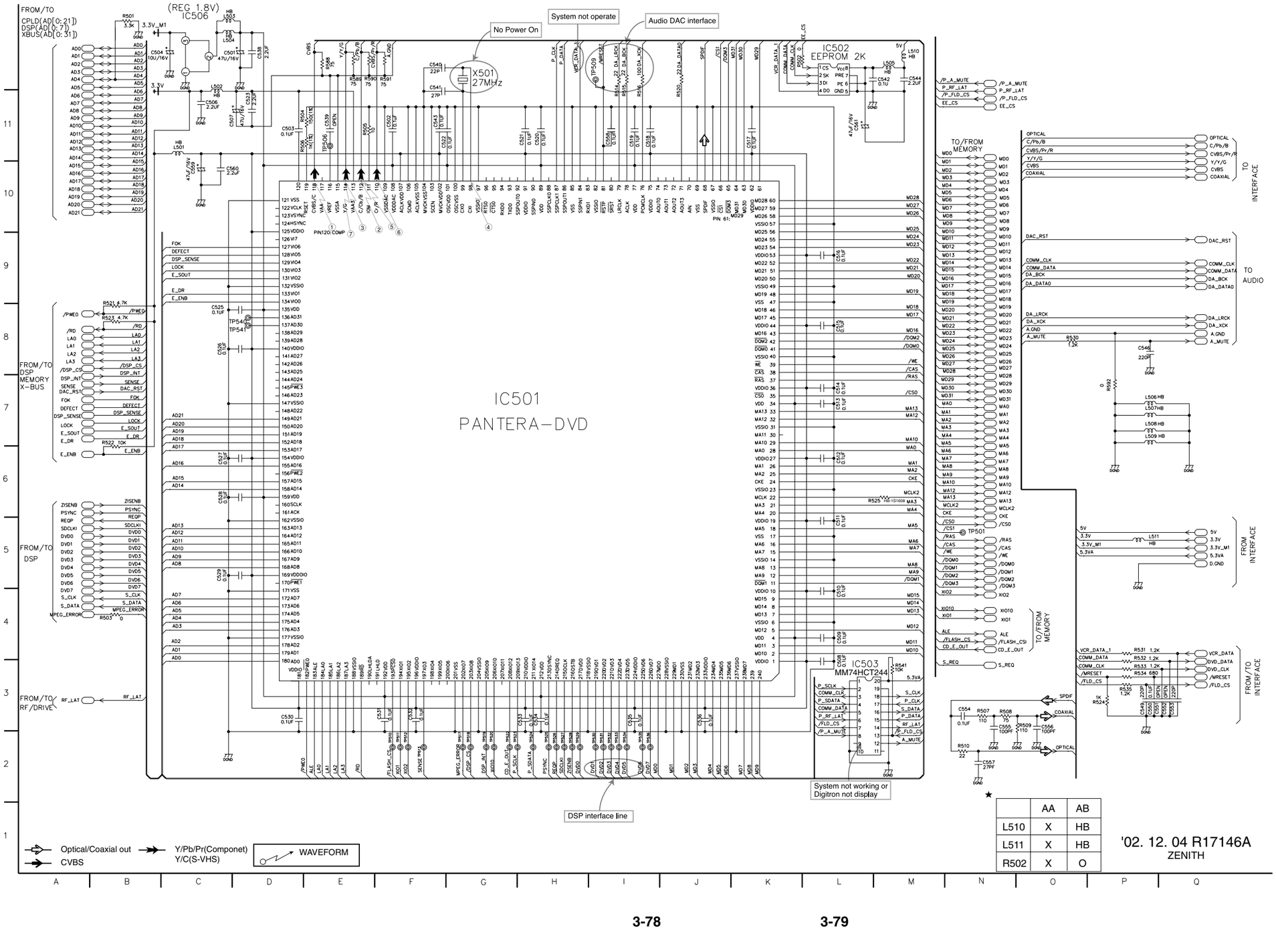
'02. 12. 04 R17148A
ZENITH

4. INTERFACE CIRCUIT DIAGRAM



'02. 12. 04 R17150A
ZENITH

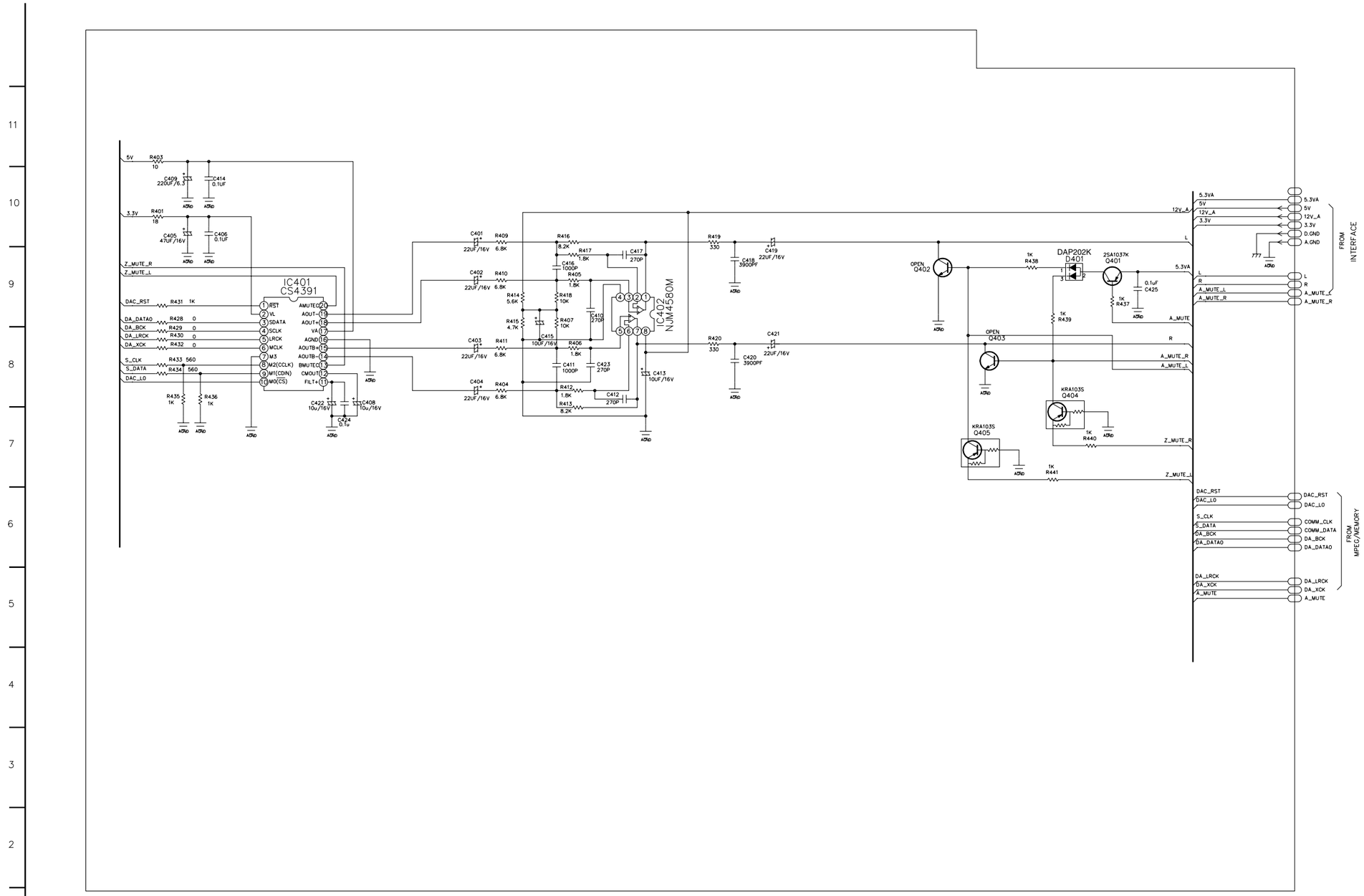
5. µ-COM/EXPANDER CIRCUIT DIAGRAM



	AA	AB
L510	X	HB
L511	X	HB
R502	X	O

'02. 12. 04 R17146A
ZENITH

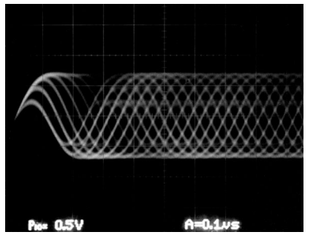
6. JACK CIRCUIT DIAGRAM



'02. 12. 04 R17149A
ZENITH

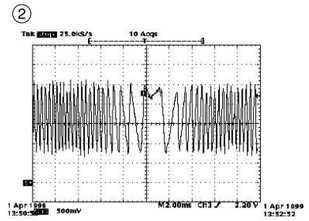
• WAVEFORMS

①



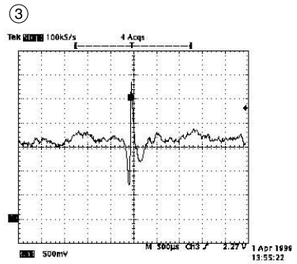
IC2A1
TP2A0

②



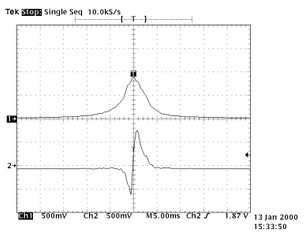
IC2A1 Pin 36
Tracking Error

③



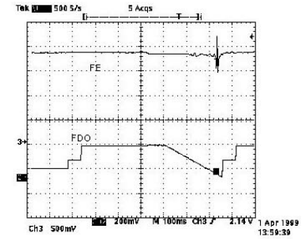
IC2A1 Pin 36
VBR TRACKING Error

④



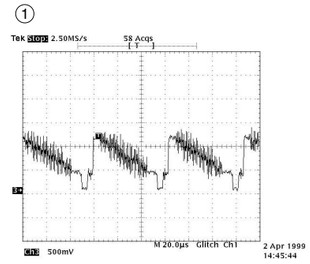
IC2A1 Pin 39, Focus Error
IC2A1 Pin 38, PE

⑤



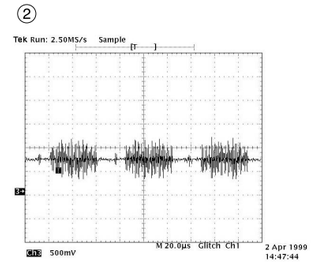
IC2A1 Pin 39, Focus Error(in Focus Search)
IC201 Pin 48, Focus Drive(FDO)

①



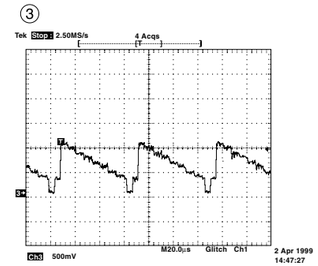
IC501 Pin 118, Composite

②



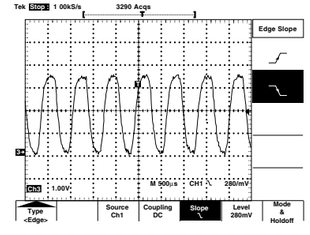
IC501 Pin 112, Chrominance
(Super video out Mode)

③



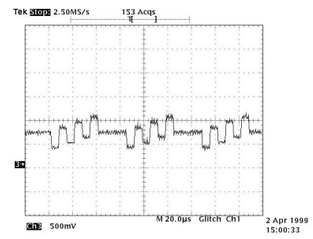
IC501 Pin 114, Luminance
(Super video out Mode)

④



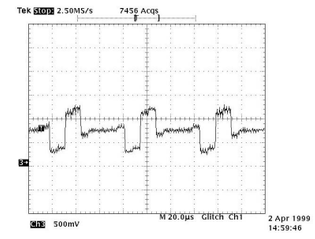
IC501 Pin 98,
MPEG Clock(27MHz)

⑤



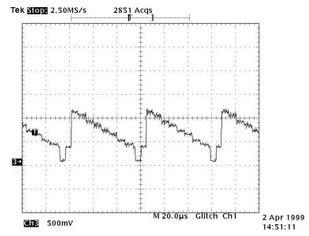
IC501 Pin 112
Component Pb

⑥



IC501 Pin 110
Component Pr

⑦



IC501 Pin 114
Component Y

• CIRCUIT VOLTAGE CHART

MODE / PIN NO.	STOP	PLAY
DSP		
IC201		
1	3.21	3.07
2	3.21	3.05
3	3.21	3.07
4	3.21	3.02
5	3.21	3.05
6	3.21	3.04
7	3.21	3.05
8	3.21	3.05
9	0.00	3.05
10	3.21	0.00
11	3.21	3.04
12	3.21	0.00
13	3.21	0.00
14	3.21	0.00
15	3.21	3.03
16	3.21	3.05
17	3.21	3.04
18	3.21	0.00
19	3.21	0.00
20	3.21	0.00
21	3.21	0.00
22	0.01	0.00
23	0.01	0.03
24	3.21	0.00
25	3.21	0.00
26	0.02	0.00
27	0.02	0.00
28	0.02	0.00
29	0.02	0.00
30	0.02	0.00
31	0.02	0.00
32	0.02	0.00
33	3.21	0.00
34	3.21	0.00
35	3.21	3.19
36	0.02	0.00
37	1.80	0.00
38	0.02	0.00
39	0.02	0.00
40	0.02	0.00
41	1.78	0.00
42	0.02	1.61
43	0.13	0.20
44	1.78	1.61
45	0.02	2.70
46	0.02	2.70
47	0.02	2.70
48	1.78	1.81
49	3.21	3.20
50	0.01	0.00
51	0.01	1.57
52	0.01	1.53
53	0.02	0.00

MODE / PIN NO.	EE	PLAY
54	5.72	5.18
55	0.02	0.00
56	3.21	3.21
57	0.02	0.00
58	1.80	1.59
59	2.38	0.00
60	0.02	0.00
61	3.21	3.01
62	3.21	0.00
63	3.21	3.21
64	0.02	0.00
65	0.02	0.00
66	0.87	1.19
67	0.01	1.90
68	3.21	3.21
69	1.07	1.55
70	3.21	0.00
71	0.02	0.00
72	3.21	0.00
73	0.02	0.00
74	0.02	0.00
75	0.87	0.00
76	1.59	0.00
77	0.87	0.00
78	0.87	0.78
79	2.36	2.15
80	2.86	0.00
81	3.24	0.00
82	3.24	0.00
83	2.19	1.97
84	2.39	0.00
85	0.00	0.00
86	0.00	0.00
87	2.19	0.00
88	2.38	0.00
89	2.18	0.00
90	1.80	1.62
91	0.92	0.00
92	2.69	0.00
93	1.77	0.00
94	1.81	0.00
95	1.53	0.00
96	1.83	0.00
97	1.81	0.00
98	0.00	0.00
99	0.00	0.00
100	1.81	1.63
101	3.21	3.24
102	3.21	3.25
103	2.28	0.00
104	2.28	0.00
105	0.90	1.48
106	1.30	1.67
107	1.59	1.59
108	2.00	1.65

MODE / PIN NO.	EE	PLAY
109	2.00	1.64
110	2.40	1.60
111	0.02	0.00
112	0.02	0.00
113	0.02	0.00
114	0.02	0.00
115	0.02	0.00
116	0.02	0.00
117	0.02	0.00
118	0.02	0.00
119	0.02	0.00
120	3.21	3.22
121	0.70	3.22
122	3.21	3.22
123	3.21	1.61
124	0.02	0.00
125	3.21	1.64
126	3.21	1.61
127	3.00	0.00
128	0.02	0.00
129	3.21	2.35
130	3.21	3.25
131	3.21	1.59
132	0.84	0.02
133	0.02	0.00
134	3.21	3.22
135	3.21	2.35
136	2.67	2.39
137	1.85	1.62
138	2.40	2.12
139	2.68	2.41
140	2.64	0.30
141	2.64	3.20
142	3.21	3.22
143	1.12	2.32
144	0.02	0.00
145	0.02	0.00
146	2.66	0.30
147	2.67	0.30
148	2.68	0.30
149	2.68	0.30
150	1.09	2.33
151	1.09	0.00
152	0.02	3.22
153	0.02	0.00
154	0.67	1.53
155	0.90	0.00
156	3.21	3.22
157	3.21	3.22
158	0.02	0.00
159	0.00	0.00
160	0.00	0.00
161	3.02	2.70
162	3.21	3.24
163	3.21	3.24

MODE / PIN NO.	EE	PLAY
164	2.31	2.07
165	2.38	0.00
166	2.39	2.14
167	1.80	1.61
168	3.08	0.00
169	0.02	2.06
170	0.04	0.00
171	3.03	2.54
172	3.21	0.00
173	3.21	0.00
174	3.21	0.00
175	3.21	3.21
176	0.02	0.00
177	3.21	0.00
178	3.21	3.21
179	3.21	3.13
180	0.02	0.00
181	0.02	0.00
182	0.02	0.00
183	0.02	0.00
184	0.02	0.00
185	0.02	0.00
186	3.21	3.25
187	1.50	1.05
188	3.21	0.00
189	1.55	1.58
190	1.57	0.00
191	1.63	1.64
192	0.23	0.19
193	2.32	2.04
194	2.20	2.70
195	1.63	0.00
196	0.02	0.00
197	0.02	0.00
198	0.02	0.00
199	0.02	0.00
200	0.02	0.00
201	0.02	1.00
202	0.02	0.00
203	0.02	0.00
204	0.02	0.00
205	3.21	3.21
206	0.02	1.58
207	0.02	2.96
208	0.02	1.63
IC206		
1	2.26	2.28
2	0.01	0.01
3	0.01	0.01
4	0.00	0.00
5	5.07	5.04
6	1.14	1.03
7	2.15	2.15
8	5.07	5.04

MODE / PIN NO.	EE	PLAY
SERVO		
IC2A1		
1	0.00	0.00
2	3.24	3.02
3	3.24	3.01
4	1.85	1.99
5	3.35	3.17
6	2.63	2.43
7	1.10	0.30
8	1.10	0.30
9	0.00	0.80
10	1.24	1.18
11	2.54	2.27
12	3.38	3.13
13	3.34	3.09
14	2.52	2.70
15	2.64	1.95
16	0.01	0.14
17	0.02	0.00
18	0.01	0.00
19	0.01	0.00
20	0.01	0.00
21	5.41	5.01
22	5.41	5.01
23	0.02	0.00
24	0.01	0.00
25	0.01	0.00
26	0.03	0.00
27	0.01	0.00
28	3.51	3.24
29	5.58	5.16
30	0.02	0.00
31	0.03	0.00
32	0.04	0.00
33	0.03	0.00
34	5.44	5.01
35	2.45	2.27
36	3.40	2.51
37	0.78	2.37
38	0.53	0.00
39	2.40	2.17
40	0.00	0.22
41	5.44	3.66
42	0.00	0.00
43	0.00	0.00
44	5.45	5.01
45	2.47	2.29
46	2.47	2.29
47	2.47	2.42
48	0.02	2.42
49	0.01	2.27
50	2.47	2.43
51	2.47	2.44
52	2.48	2.38
53	2.47	2.29

MODE / PIN NO.	EE	PLAY
54	2.47	0.00
55	2.47	2.51
56	2.47	2.50
57	2.47	2.29
58	2.47	2.28
59	2.47	2.28
60	2.47	2.28
61	0.80	0.96
62	0.80	0.86
63	5.60	5.01
64	0.00	0.00
IC2A2		
1	1.64	0
2	1.64	1.64
3	1.64	1.64
4	0.01	0.01
5	1.63	2.19
6	1.63	2.19
7	1.63	2.19
8	5.1	5.07
IC2A4		
1	0	0
2	0.46	0.93
3	0.53	0.97
4	0	0
5	2.27	2.26
6	2.28	2.27
7	0.29	2.37
8	5.09	5.05
IC2M1		
1	2.30	0.00
2	2.32	0.00
3	2.31	0.00
4	2.28	2.15
5	2.32	2.15
6	0.00	0.00
7	0.00	0.00
8	2.32	2.15
9	2.25	2.83
10	2.32	2.15
11	2.32	2.15
12	2.30	2.20
13	2.45	2.24
14	2.82	0.00
15	2.82	0.00
16	0.01	0.00
17	2.38	1.54
18	0.00	0.00
19	0.00	0.00
20	2.07	1.92
21	2.07	1.91
22	0.01	0.00
23	0.04	0.00
24	0.01	0.00
25	8.70	7.96

MODE / PIN NO.	EE	PLAY
26	4.33	0.00
27	4.32	4.01
28	4.33	4.05
29	4.36	3.97
30	0.10	0.00
31	0.01	0.13
32	4.23	4.92
33	4.50	0.00
34	0.00	0.00
35	1.71	0.00
36	1.78	4.00
37	1.73	4.21
38	1.74	3.75
39	1.92	0.00
40	1.91	7.89
41	0.00	0.00
42	0.00	0.00
43	0.00	0.00
44	0.00	0.00
45	1.94	0.00
46	2.33	2.15
47	2.33	0.00
48	2.06	2.15
IC301		
1	3.17	0.38
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	3.26	3.26
6	3.25	3.26
7	0.00	0.00
8	3.25	3.26
9	0.00	0.00
10	0.00	3.26
11	0.00	0.00
12	3.24	3.25
13	3.26	3.26
14	0.00	0.00
15	0.20	0.00
16	2.16	2.10
17	1.80	2.19
18	1.57	2.08
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	0.00
23	0.00	0.00
24	0.00	0.00
25	0.00	0.00
26	3.25	3.26
27	0.00	0.00
28	0.00	0.00
29	0.00	0.00
30	0.00	0.00
31	0.00	0.00

MODE / PIN NO.	EE	PLAY
32	0.00	0.00
33	0.00	0.00
34	0.00	0.00
35	0.00	0.00
36	0.00	0.00
37	0.00	0.00
38	3.26	3.26
39	0.00	0.00
40	0.00	0.00
41	0.00	0.00
42	0.00	0.00
43	0.00	0.00
44	0.00	0.00
45	0.00	0.00
46	0.00	0.00
47	0.00	0.00
48	0.00	0.00
49	0.00	0.00
50	0.00	0.00
51	3.26	3.26
52	3.25	1.32
53	2.39	2.82
54	0.00	0.00
55	0.00	0.00
56	0.00	0.00
57	3.26	3.27
58	0.00	0.00
59	0.00	0.00
60	0.00	0.00
61	0.00	0.00
62	0.00	0.00
63	0.00	0.00
64	0.00	0.00
65	0.00	0.00
66	0.00	0.00
67	0.00	0.00
68	3.12	3.26
69	0.00	0.00
70	3.25	3.26
71	3.12	3.23
72	0.00	0.00
73	0.00	0.00
74	3.12	3.23
75	0.00	0.00
76	0.00	0.00
77	0.00	0.00
78	2.62	3.60
79	2.49	2.76
80	0.00	0.00
81	0.00	0.00
82	3.26	3.26
83	0.00	0.00
84	0.00	0.00
85	5.06	5.04
86	0.00	0.00

MODE / PIN NO.	EE	PLAY
87	0.00	0.00
88	3.26	3.26
89	3.18	3.31
90	3.25	3.26
91	0.00	2.26
92	3.26	3.26
93	3.26	3.26
94	0.00	0.00
95	1.69	1.68
96	0.00	0.00
97	3.26	3.26
98	3.26	3.26
99	5.05	5.04
100	0.00	0.00
MPEG		
IC501		
1	3.23	3.21
2	0.63	0.00
3	0.53	0.00
4	1.76	1.76
5	3.23	0.68
6	0.00	0.00
7	0.00	0.00
8	0.48	0.64
9	0.40	0.63
10	3.23	3.21
11	0.00	0.00
12	0.05	0.13
13	0.08	0.14
14	0.00	0.00
15	1.61	1.75
16	0.00	1.57
17	0.00	0.00
18	1.61	1.76
19	3.23	3.21
20	0.99	1.48
21	1.68	1.64
22	2.75	2.83
23	0.00	1.35
24	3.23	3.21
25	1.60	1.75
26	1.54	1.33
27	3.23	3.21
28	1.86	0.38
29	0.04	0.35
30	0.05	0.09
31	0.00	0.80
32	2.43	2.00
33	0.84	0.84
34	1.76	1.76
35	2.90	2.89
36	3.23	7.21
37	3.18	0.50
38	0.32	0.30
39	3.21	3.22

MODE / PIN NO.	EE	PLAY
40	0.00	0.00
41	0.00	0.00
42	0.06	0.00
43	2.94	0.00
44	3.23	3.23
45	1.14	0.05
46	0.69	0.04
47	0.00	0.00
48	0.60	0.28
49	0.00	0.00
50	0.74	0.79
51	0.50	0.67
52	0.49	0.80
53	3.23	3.23
54	0.42	0.90
55	1.30	0.64
56	0.48	0.45
57	0.00	0.00
58	0.55	0.62
59	0.67	0.60
60	1.11	0.69
61	0.58	0.18
62	3.23	3.22
63	0.50	0.24
64	0.30	0.73
65	0.00	0.00
66	0.48	1.68
67	0.00	0.40
68	0.00	1.56
69	0.00	0.00
70	0.45	0.59
71	0.00	1.21
72	0.00	1.23
73	0.00	1.21
74	3.23	1.22
75	3.23	3.22
76	1.56	1.56
77	1.76	1.76
78	1.61	1.61
79	1.62	1.62
80	3.23	3.21
81	2.92	2.92
82	0.00	0.00
83	0.39	0.50
84	0.00	1.25
85	0.00	0.00
86	0.00	0.00
87	3.23	3.20
88	3.23	3.22
89	1.76	1.75
90	0.07	0.40
91	3.23	3.21
92	0.00	0.00
93	3.23	3.22
94	0.09	0.36

MODE / PIN NO.	EE	PLAY
95	0.16	0.37
96	3.23	3.21
97	0.00	0.00
98	0.92	0.92
99	0.98	0.96
100	0.00	0.00
101	1.76	1.75
102	3.23	3.21
103	0.00	0.00
104	0.00	0.00
105	0.00	0.00
106	0.00	0.00
107	3.23	3.21
108	1.76	1.76
109	0.00	0.00
110	0.19	1.32
111	0.83	0.90
112	3.21	3.21
113	0.91	3.20
114	0.00	0.59
115	0.00	0.00
116	1.28	1.28
117	1.10	0.31
118	0.45	0.24
119	1.28	1.28
120	1.97	0.00
121	0.00	0.00
122	0.00	0.00
123	0.53	0.72
124	0.57	0.72
125	3.23	3.23
126	1.83	0.72
127	0.00	3.23
128	3.22	0.00
129	0.00	0.00
130	1.75	1.41
131	0.00	0.00
132	0.00	0.00
133	0.00	3.21
134	3.23	0.00
135	1.76	1.75
136	0.00	0.00
137	0.00	0.00
138	0.00	0.00
139	0.00	0.00
140	3.27	3.21
141	0.00	0.00
142	0.00	0.00
143	0.00	0.00
144	0.00	0.00
145	3.23	3.21
146	0.00	0.00
147	0.00	0.00
148	0.00	0.00
149	0.00	0.00

MODE / PIN NO.	EE	PLAY
150	0.00	0.00
151	0.00	0.00
152	0.00	0.00
153	0.00	0.00
154	3.23	3.22
155	0.00	0.00
156	3.23	3.21
157	0.00	0.00
158	1.75	0.00
159	1.76	1.76
160	1.84	1.84
161	3.23	3.21
162	0.00	0.00
163	0.00	0.00
164	0.00	0.00
165	0.00	0.00
166	0.00	0.00
167	0.00	0.00
168	0.00	0.00
169	3.23	3.21
170	3.23	3.21
171	0.00	0.00
172	0.00	1.00
173	1.00	1.12
174	0.99	1.14
175	0.19	0.19
176	0.94	1.71
177	0.00	0.00
178	0.98	1.77
179	0.98	1.79
180	0.97	1.04
181	3.23	3.22
182	3.23	3.22
183	0.00	0.00
184	0.00	0.72
185	3.23	0.22
186	3.23	2.44
187	0.00	0.00
188	0.00	0.00
189	1.83	3.22
190	0.00	0.00
191	1.74	0.00
192	1.76	0.36
193	3.23	3.23
194	3.29	0.00
195	3.30	0.00
196	3.23	0.11
197	3.12	0.00
198	0.00	3.23
199	0.00	3.22
200	0.18	3.22
201	0.00	0.00
202	0.17	3.22
203	0.13	3.22
204	0.00	0.00

MODE / PIN NO.	EE	PLAY
205	0.10	3.23
206	0.00	0.00
207	0.18	3.22
208	0.14	0.00
209	0.18	3.22
210	3.23	3.21
211	0.18	3.22
212	1.76	1.24
213	0.11	3.22
214	0.18	2.85
215	0.10	1.61
216	0.10	3.22
217	0.10	3.22
218	0.00	0.00
219	0.05	0.00
220	0.39	3.10
221	0.00	3.09
222	0.18	3.10
223	0.10	0.00
224	3.23	3.21
225	0.00	0.13
226	0.00	0.14
227	0.00	0.73
228	0.00	0.00
229	0.00	0.49
230	0.00	0.00
231	0.00	0.67
232	0.06	0.62
233	3.23	3.22
234	0.06	0.80
235	0.06	0.58
236	0.07	0.45
237	0.00	0.00
238	0.06	0.83
239	0.06	1.47
240	0.06	1.44
AUDIO		
IC401		
1	3.25	3.26
2	3.25	3.26
3	0.00	0.00
4	1.57	1.57
5	1.58	1.58
6	1.54	1.55
7	0.00	0.00
8	3.23	3.26
9	0.75	0.00
10	3.26	3.26
11	4.79	0.03
12	2.27	0.03
13	0.27	4.66
14	2.32	2.29
15	2.30	2.27
16	0.00	0.00
17	4.88	4.82

MODE / PIN NO.	EE	PLAY
18	2.30	2.28
19	2.33	2.29
20	0.27	4.66
IC402		
1	5.40	5.40
2	5.41	5.40
3	5.40	5.40
4	0.00	0.00
5	5.40	5.40
6	5.41	0.00
7	5.42	0.00
8	11.39	11.96
MEMORY		
IC203		
1	3.27	3.05
2	3.25	3.01
3	3.25	3.02
4	0.00	0.00
5	0.05	3.02
6	0.05	3.02
7	0.00	3.25
8	0.05	3.02
9	0.05	3.06
10	0.00	0.00
11	0.05	3.08
12	0.05	3.01
13	0.00	3.23
14	0.00	0.00
15	0.05	3.19
16	0.05	3.19
17	0.05	3.18
18	0.00	0.00
19	0.05	0.00
20	0.05	3.17
21	0.05	0.00
22	0.05	0.00
23	0.05	0.00
24	0.05	0.03
25	0.00	3.25
26	0.00	0.00
27	0.05	0.03
28	0.05	0.03
29	0.05	0.03
30	0.05	0.03
31	0.05	0.03
32	0.00	0.03
33	0.00	0.00
34	0.00	3.25
35	0.05	1.62
36	0.05	0.01
37	0.00	0.00
38	0.00	3.25
39	0.05	3.05
40	0.05	3.05
41	0.00	0.00

MODE / PIN NO.	EE	PLAY
42	0.05	3.05
43	0.00	3.04
44	0.00	3.25
45	0.00	3.05
46	0.00	3.04
47	0.00	0.00
48	0.00	3.04
49	0.05	3.04
50	0.00	0.00
IC3F1		
1	0.00	0.00
2	0.00	0.00
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	0.00	0.00
8	0.00	0.00
9	2.38	2.78
10	0.00	0.00
11	0.00	3.23
12	3.26	3.26
13	3.26	3.26
14	0.00	0.00
15	0.00	0.00
16	3.26	1.40
17	0.00	0.00
18	0.00	0.00
19	0.00	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	0.00
23	0.00	0.00
24	0.00	1.76
25	3.23	3.15
26	3.26	3.26
27	0.00	0.00
28	3.23	3.22
29	1.98	1.76
30	0.00	0.00
31	1.91	1.90
32	0.00	0.00
33	1.45	1.65
34	0.00	0.00
35	1.45	1.90
36	0.00	0.00
37	3.26	3.26
38	0.19	0.19
39	0.00	0.00
40	2.09	2.16
41	0.00	0.00
42	1.19	2.19
43	0.00	0.00
44	1.95	2.11
45	0.00	0.00

MODE / PIN NO.	EE	PLAY
46	0.00	0.00
47	3.26	3.26
48	0.00	0.00
IC305		
1	3.23	3.23
2	0.52	0.62
3	0.11	3.22
4	0.30	0.57
5	0.60	0.76
6	0.00	0.00
7	0.47	0.00
8	0.00	0.00
9	0.00	0.00
10	0.40	0.00
11	0.39	0.00
12	0.00	0.00
13	0.42	0.00
14	0.48	0.00
15	3.24	3.25
16	0.11	0.00
17	0.10	3.16
18	0.09	0.00
19	0.05	0.00
20	0.00	0.00
21	0.00	0.00
22	0.00	3.16
23	1.58	0.00
24	0.05	0.00
25	1.81	3.16
26	1.50	3.16
27	1.54	3.20
28	0.00	3.16
29	3.24	0.00
30	0.00	0.00
31	0.63	0.00
32	0.00	3.16
33	0.45	0.00
34	0.95	1.79
35	3.23	0.00
36	0.69	3.20
37	1.10	0.00
38	0.00	0.00
39	0.64	0.00
40	0.54	0.00
41	3.24	3.25
42	0.55	0.00
43	3.23	3.25
44	0.00	0.00
45	0.29	0.00
46	0.30	0.00
47	0.40	0.00
48	0.62	0.00
49	0.65	3.26
50	0.62	0.00
51	0.45	0.00

MODE / PIN NO.	EE	PLAY
52	0.00	0.00
53	0.57	0.00
54	0.34	0.00
55	0.28	3.25
56	0.52	0.00
57	0.00	0.02
58	0.00	0.00
59	0.00	0.00
60	1.64	0.00
61	0.95	0.00
62	0.95	3.16
63	1.49	0.00
64	1.61	3.16
65	0.00	0.00
66	0.00	0.00
67	3.14	3.16
68	2.26	0.00
69	0.00	0.00
70	0.00	0.00
71	0.00	0.00
72	0.00	0.00
73	0.00	0.00
74	0.30	0.00
75	3.24	3.26
76	0.39	0.00
77	0.40	0.00
78	0.00	0.00
79	0.66	0.00
80	0.46	0.00
81	3.24	3.26
82	0.59	0.00
83	0.31	0.00
84	0.00	0.00
85	0.53	0.00
86	0.00	0.00
ETC		
IC502		
1	0.00	0.00
2	5.05	5.05
3	1.18	0.62
4	0.72	1.69
5	0.00	0.00
6	5.06	5.04
7	0.00	0.00
8	5.06	5.04
IC503		
1	0.00	0.00
2	3.13	3.12
3	5.05	5.05
4	0.00	3.12
5	0.00	0.64
6	0.00	0.00
7	2.67	2.65
8	0.00	3.24
9	0.00	0.00

MODE / PIN NO.	EE	PLAY
10	0.00	0.00
11	0.52	1.67
12	0.50	5.18
13	1.70	1.70
14	0.00	0.00
15	0.82	0.38
16	0.00	5.17
17	3.11	3.11
18	5.18	5.17
19	0.00	0.00
20	5.18	5.18
IC506		
1	3.25	3.25
2	0.00	0.00
3	1.81	1.81

MODE / PIN NO.	STOP	PLAY
CONNECTOR		
PDV02		
1	0.00	0.00
2	0.00	0.00
3	1.55	1.55
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	4.92	4.92
8	5.20	5.20
9	5.06	5.06
10	0.00	0.00
11	1.12	1.16
12	0.00	0.00
PDV03		
1	0.87	0.65
2	0.00	0.00
3	1.44	0.00
4	0.00	0.00
5	1.28	1.32
6	0.00	0.00
7	0.43	0.28
8	0.00	0.00
9	0.00	0.32
10	0.00	2.52
11	0.00	0.00
12	0.00	0.00
13	0.00	0.00
14	0.75	1.38
15	0.26	0.47
PMD02		
1	5.10	5.07
2	1.37	2.20
3	0.00	0.00
4	0.00	0.00
5	0.00	0.00
6	0.00	0.00
7	2.28	2.27
8	5.10	5.07
9	2.28	2.49
10	2.28	2.50
11	2.29	2.39
12	2.29	2.40
13	2.29	2.39
14	2.29	2.40
15	3.96	4.22
16	4.00	4.01
17	3.97	3.97
18	3.99	3.82
19	5.10	5.07
20	0.00	0.00
21	0.00	1.82
22	0.00	0.23
23	0.00	0.00

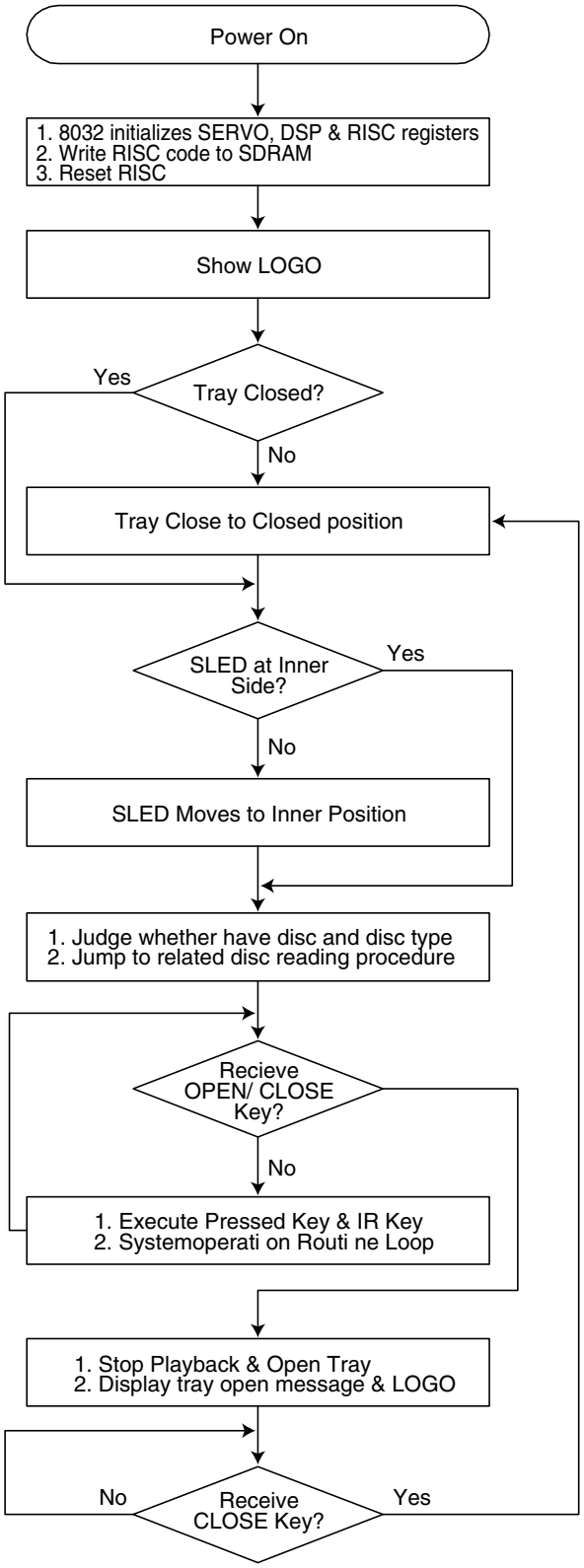
MODE / PIN NO.	STOP	PLAY
PMD03		
1	1.21	5.04
2	1.21	3.00
3	4.01	4.06
4	3.97	3.93
5	3.97	4.02
6	3.97	4.02
7	0.00	5.07
8	5.10	0.00
9	0.00	0.00
10	5.10	5.07
11	0.00	0.00

MODE / PIN NO.	EE	PLAY
CAPACITOR		
C3F3	3.25	
C293	3.25	
C262	3.25	
C281	1.60	
C279	2.14	
C285	2.07	
C297	3.25	
C280	2.71	
C278	2.13	
C208	3.25	
C240	5.02	
C232	3.23	
C231	2.07	
C288	2.06	
C2C9	5.02	
C284	3.24	
C211	1.62	
C212	0.82	
C274	3.25	
C213	2.42	
C272	2.15	
C263	3.25	
C264	3.25	
C261	3.25	
C321	3.25	
C2D5	2.26	
C2A4	5.02	
C2C2	2.27	
C2D1	5.02	
C507	3.19	
C539	3.19	
C561	5.04	
C504	3.25	
C308	3.24	
C317	3.24	
C309	1.79	
C409	4.86	
C405	3.25	
C408	2.22	
C422	4.78	
C404	5.40	
C402	5.39	
C401	5.40	
C419	5.41	
C420	5.40	
C415	5.40	
C403	5.39	
C413	11.97	
C2M1	7.94	
C2D4	5.04	
C2M8	5.02	

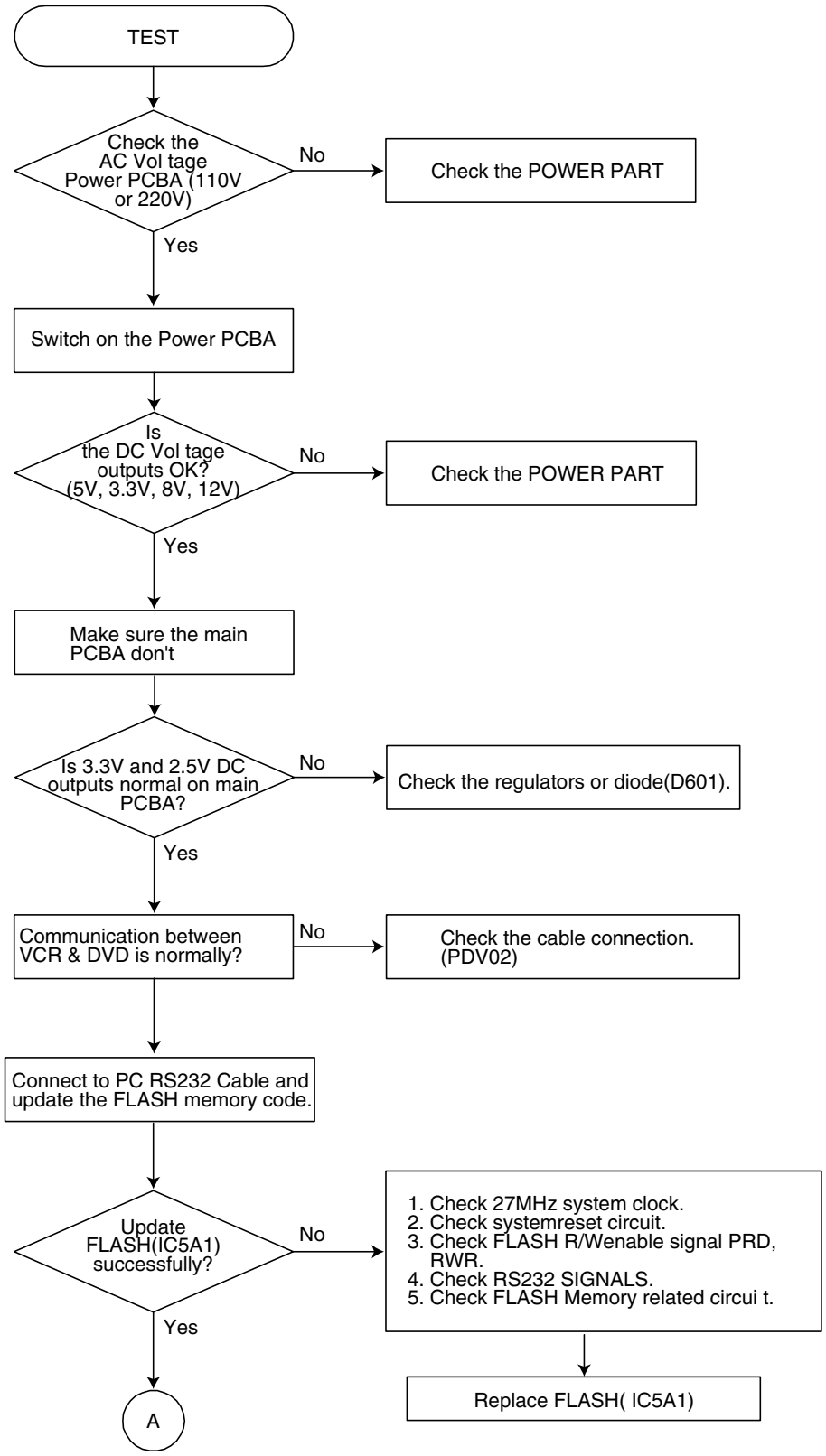
MODE / PIN NO.	STOP	PLAY
Q2A1		
E	5.09	5.05
B	5.09	5.24
C	0.00	0.00
Q2A2		
E	5.07	0.00
B	5.07	0.00
C	0.00	1.82
Q2A5		
E	2.83	2.36
B	3.21	3.12
C	5.09	3.84
Q2A6		
E	2.29	2.43
B	3.11	3.20
C	2.70	3.66
Q2M1		
E	0.00	0.00
B	0.00	0.00
C	3.26	3.23
Q401		
E	5.17	5.17
B	4.48	0.00
C	5.17	0.00
Q404		
E	1.55	0.00
B	0.00	0.00
C	0.75	0.00
Q405		
E	1.56	0.00
B	0.00	0.00
C	0.75	0.00

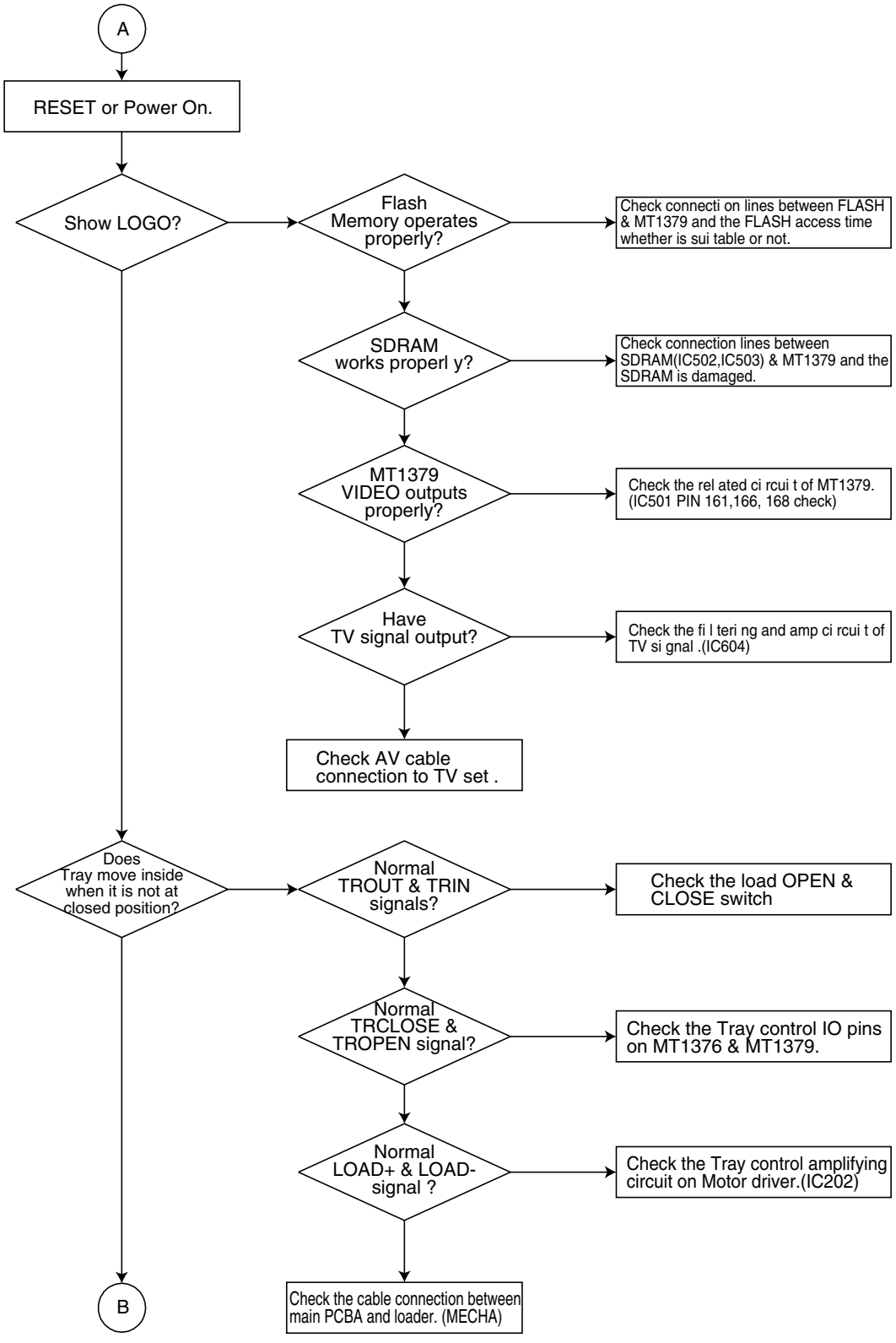
DVD PART (MTK MODEL)
ELECTRICAL TROUBLESHOOTING GUIDE

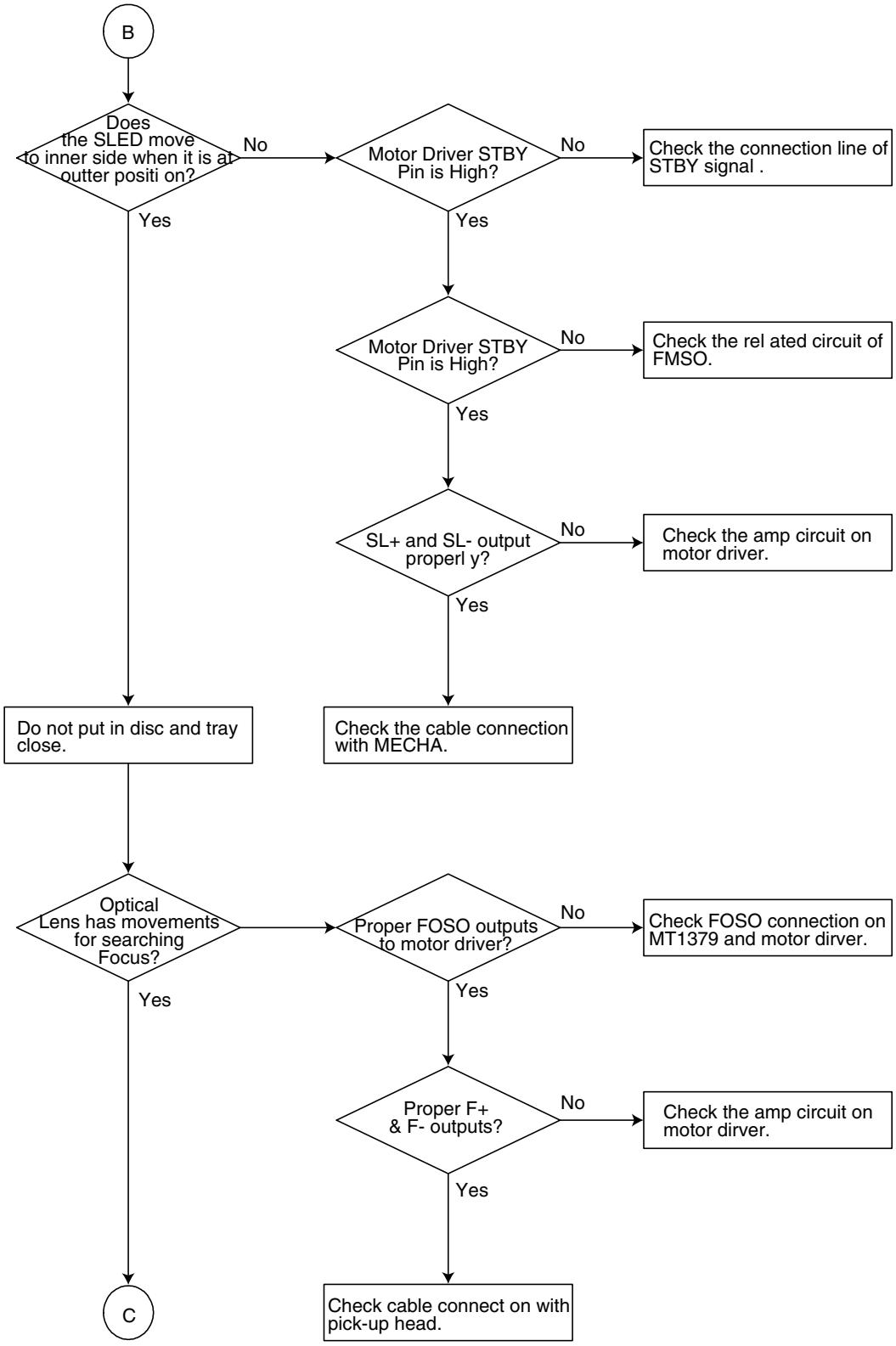
1. System operation flow

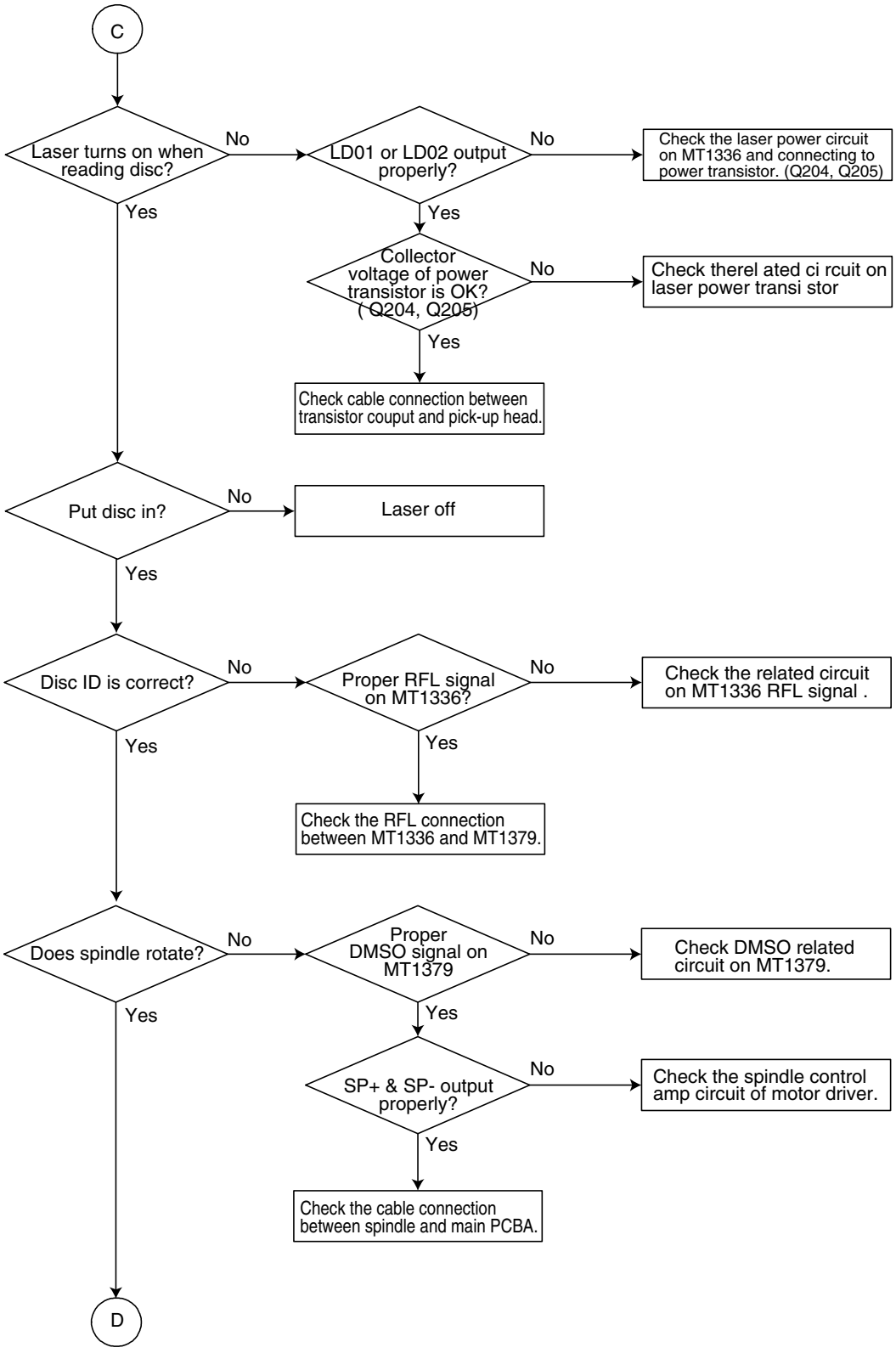


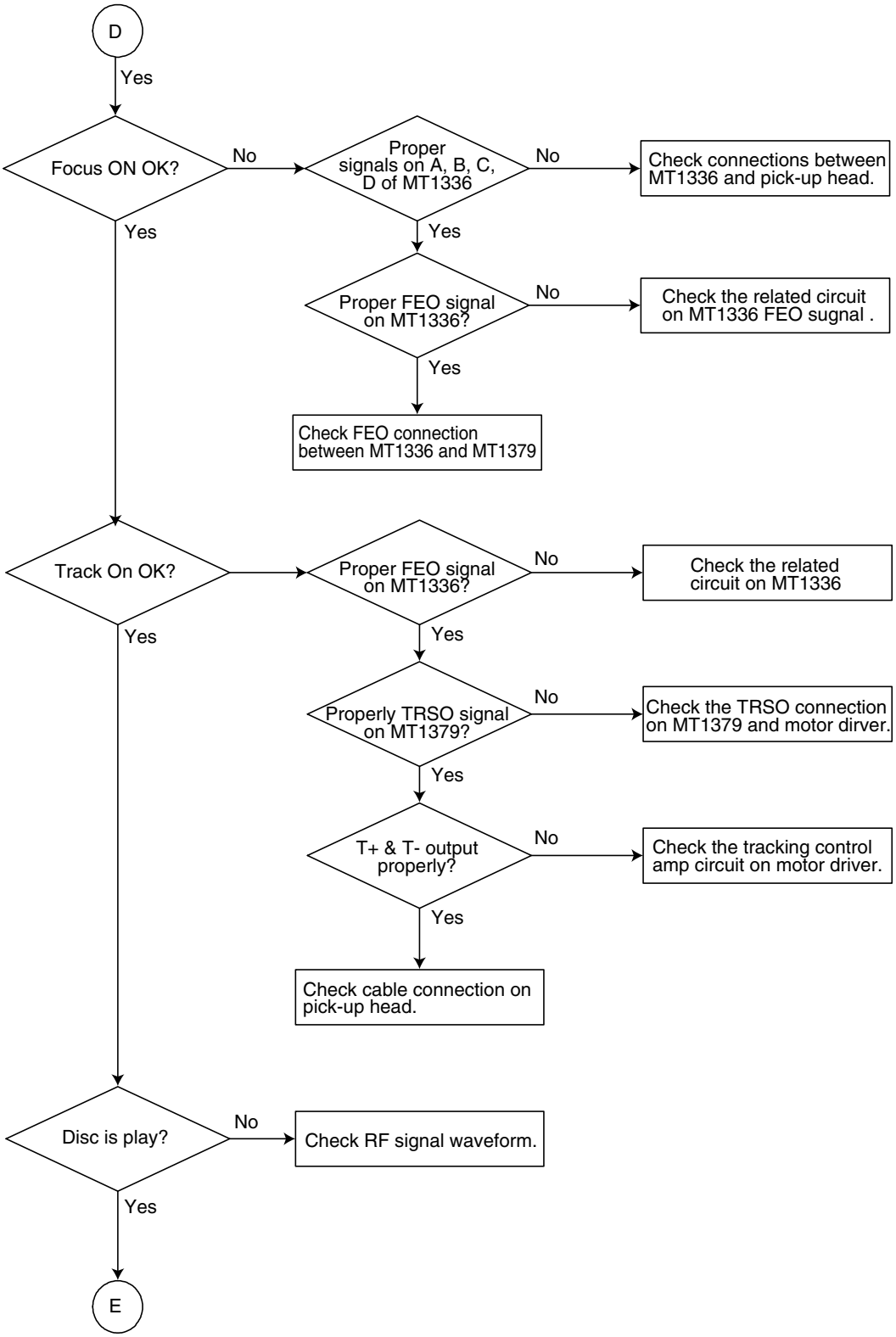
2. Test & debug flow

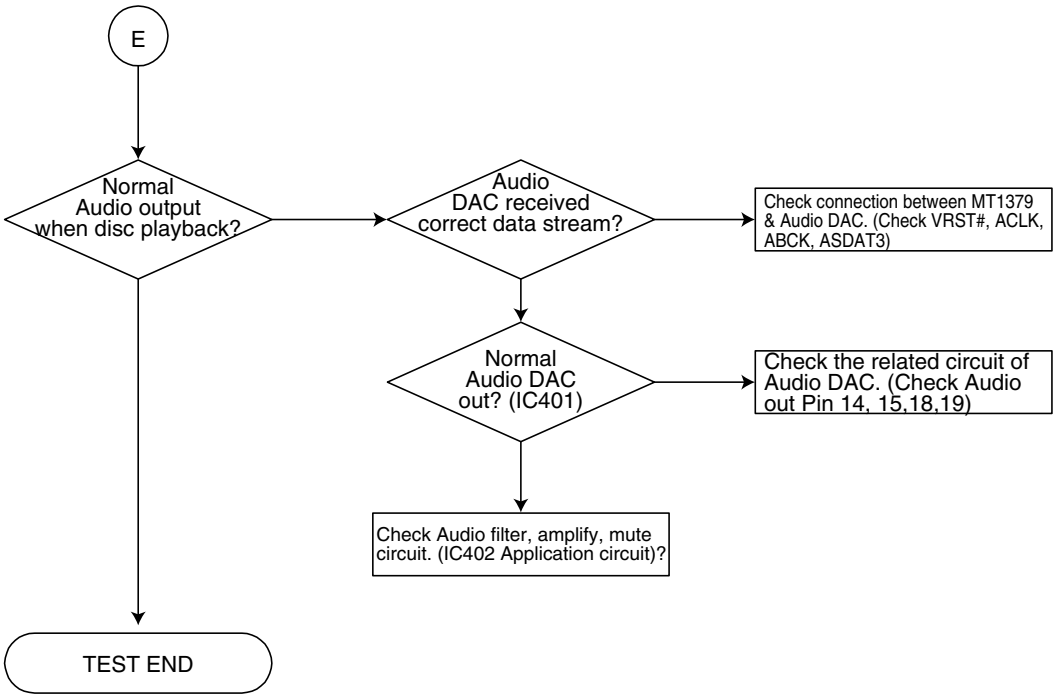

TEST
Check the AC Vol tage Power PCBA (110V or 220V)
No
Check the POWER PART
Yes
Switch on the Power PCBA
Is the DC Vol tage outputs OK? (5V, 3.3V, 8V, 12V)
No
Check the POWER PART
Yes
Make sure the main PCBA don't
Is 3.3V and 2.5V DC outputs normal on main PCBA?
No
Check the regulators or diode(D601).
Yes
Communication between VCR & DVD is normally?
No
Check the cable connection. (PDV02)
Connect to PC RS232 Cable and update the FLASH memory code.
Update FLASH(IC5A1) successfully?
No
1. Check 27MHz system clock.
2. Check systemreset circuit.
3. Check FLASH R/Wenable signal PRD, RWR.
4. Check RS232 SIGNALS.
5. Check FLASH Memory related circui t.
Replace FLASH(IC5A1)
Yes
A


A
RESET or Power On.
Show LOGO?
Flash Memory operates properly?
Check connecti on lines between FLASH & MT1379 and the FLASH access time whether is sui table or not.
SDRAM works properl y?
Check connection lines between SDRAM(IC502,IC503) & MT1379 and the SDRAM is damaged.
MT1379 VIDEO outputs properly?
Check the rel ated ci rcui t of MT1379. (IC501 PIN 161,166, 168 check)
Have TV signal output?
Check the fi l teri ng and amp ci rcui t of TV si gnal .(IC604)
Check AV cable connection to TV set .
Does Tray move inside when it is not at closed position?
Normal TROUT & TRIN signals?
Check the load OPEN & CLOSE switch
Normal TRCLOSE & TROPEN signal?
Check the Tray control IO pins on MT1376 & MT1379.
Normal LOAD+ & LOAD- signal ?
Check the Tray control amplifying circuit on Motor driver.(IC202)
Check the cable connection between main PCBA and loader. (MECHA)
B


B
Does the SLED move to inner side when it is at outter positi on?
No
Yes
Motor Driver STBY Pin is High?
No
Check the connection line of STBY signal .
Yes
Motor Driver STBY Pin is High?
No
Check the rel ated circuit of FMSO.
Yes
SL+ and SL- output properl y?
No
Check the amp circuit on motor driver.
Yes
Do not put in disc and tray close.
Check the cable connection with MECHA.
Optical Lens has movements for searching Focus?
Proper FOSO outputs to motor driver?
No
Check FOSO connection on MT1379 and motor dirver.
Yes
Yes
Proper F+ & F- outputs?
No
Check the amp circuit on motor dirver.
Yes
C
Check cable connect on with pick-up head.


C
Laser turns on when reading disc?
No
LD01 or LD02 output properly?
No
Check the laser power circuit on MT1336 and connecting to power transistor. (Q204, Q205)
Yes
Yes
Collector voltage of power transistor is OK? (Q204, Q205)
No
Check therel ated ci rcuit on laser power transi stor
Yes
Check cable connection between transistor couput and pick-up head.
Put disc in?
No
Laser off
Yes
Disc ID is correct?
No
Proper RFL signal on MT1336?
No
Check the related circuit on MT1336 RFL signal .
Yes
Yes
Check the RFL connection between MT1336 and MT1379.
Does spindle rotate?
No
Proper DMSO signal on MT1379
No
Check DMSO related circuit on MT1379.
Yes
Yes
SP+ & SP- output properly?
No
Check the spindle control amp circuit of motor driver.
Yes
Check the cable connection between spindle and main PCBA.
D


D
Yes
Focus ON OK?
No
Proper signals on A, B, C, D of MT1336
No
Check connections between MT1336 and pick-up head.
Yes
Yes
Proper FEO signal on MT1336?
No
Check the related circuit on MT1336 FEO sugnal .
Yes
Check FEO connection between MT1336 and MT1379
Track On OK?
Proper FEO signal on MT1336?
No
Check the related circuit on MT1336
Yes
Yes
Properly TRSO signal on MT1379?
No
Check the TRSO connection on MT1379 and motor dirver.
Yes
T+ & T- output properly?
No
Check the tracking control amp circuit on motor driver.
Yes
Check cable connection on pick-up head.
Disc is play?
No
Check RF signal waveform.
Yes
E


E
Normal
Audio output
when disc playback?
Audio
DAC received
correct data stream?
Check connection between MT1379
& Audio DAC. (Check VRST#, ACLK,
ABCK, ASDAT3)
Normal
Audio DAC
out? (IC401)
Check the related circuit of
Audio DAC. (Check Audio
out Pin 14, 15,18,19)
Check Audio filter, amplify, mute
circuit. (IC402 Application circuit)?
TEST END

DETAILS AND WAVEFORMS ON SYSTEM TEST AND DEBUGGING

1. SYSTEM 27MHz CLOCK,RESET,FLASH R/W SIGNAL

1) MT1379 main clock is at 27MHz(X501)

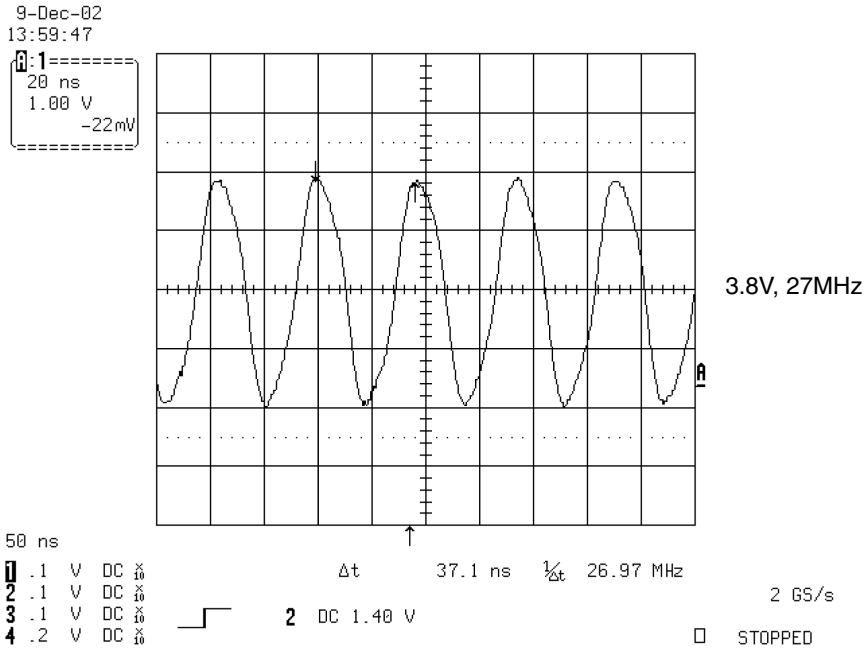


FIG 1-1

2) MT1379 & MT1336 reset is high active.

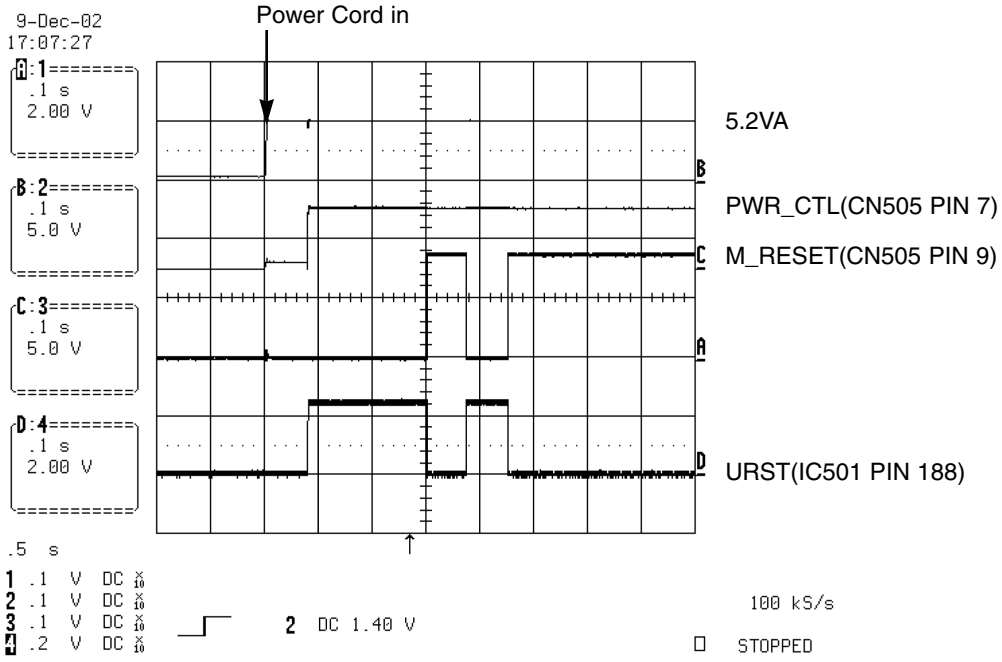


FIG 1-2

3) RS232 waveform during procedure(Downloading)

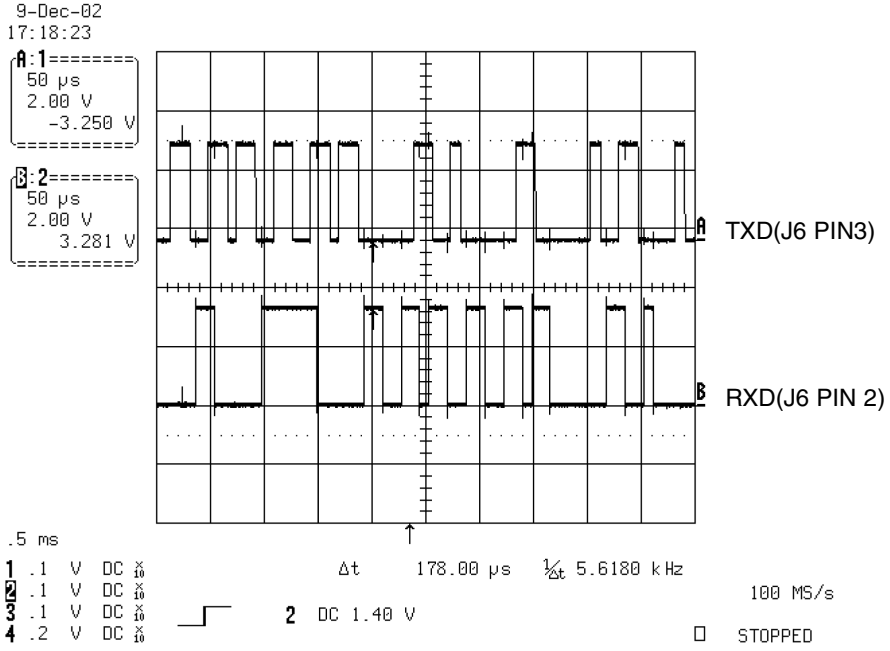


FIG 1-3

4) Flash R/W enable signal during download(Downloading)

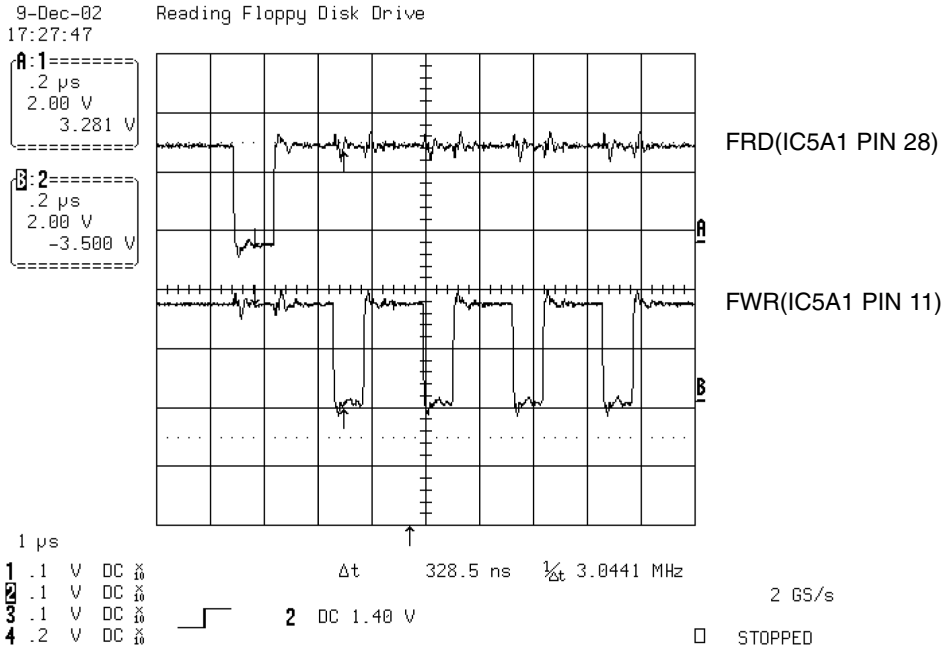


FIG 1-4

2. SDRAM CLOCK

1) MT1379 main clock is at 27MHz(X501)

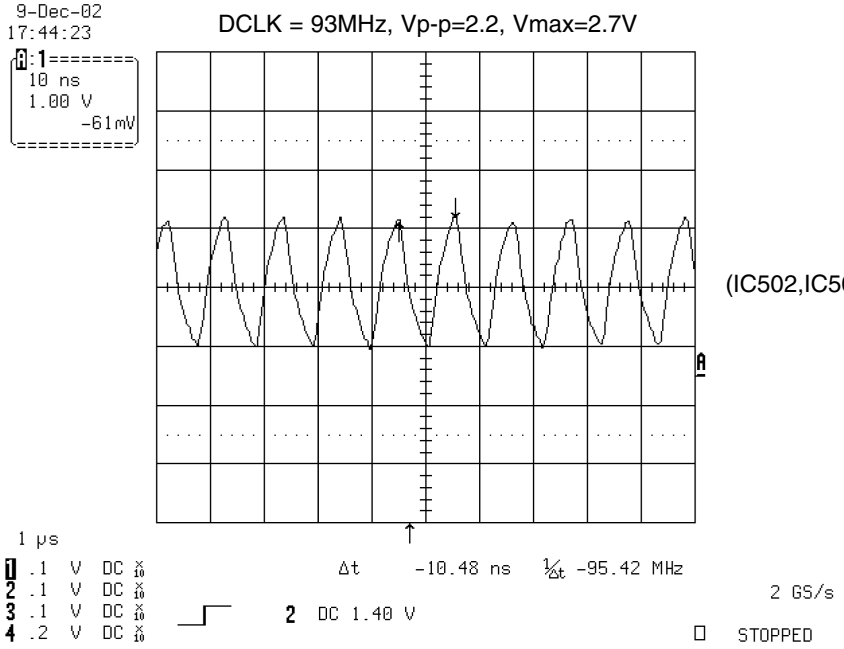


FIG 2-1

3. TRAY OPEN/CLOSE SIGNAL

1) Tray open/close waveform

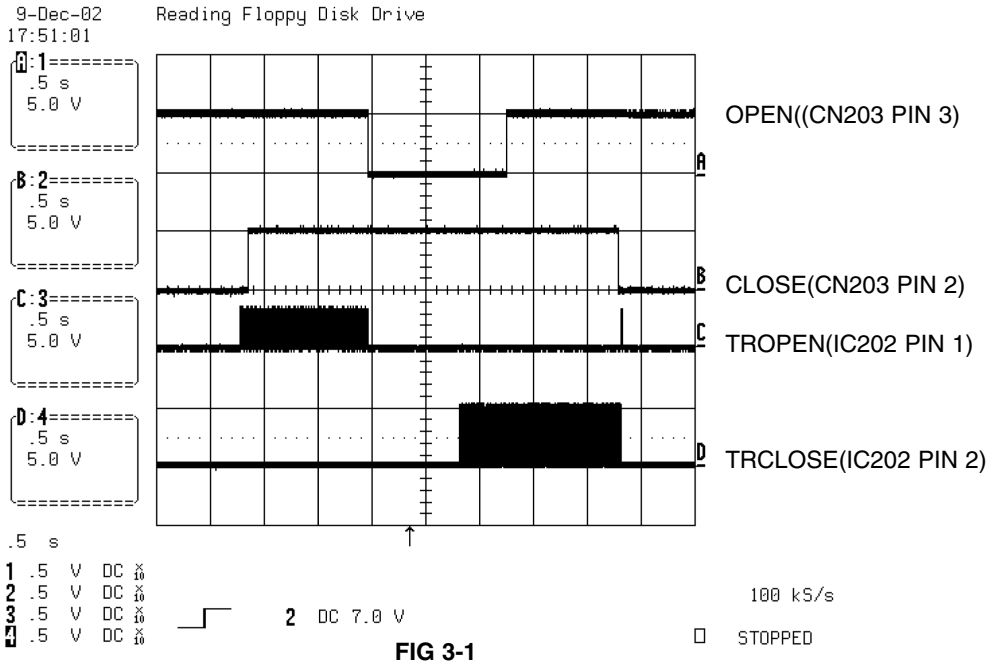


FIG 3-1

2) Tray close waveform

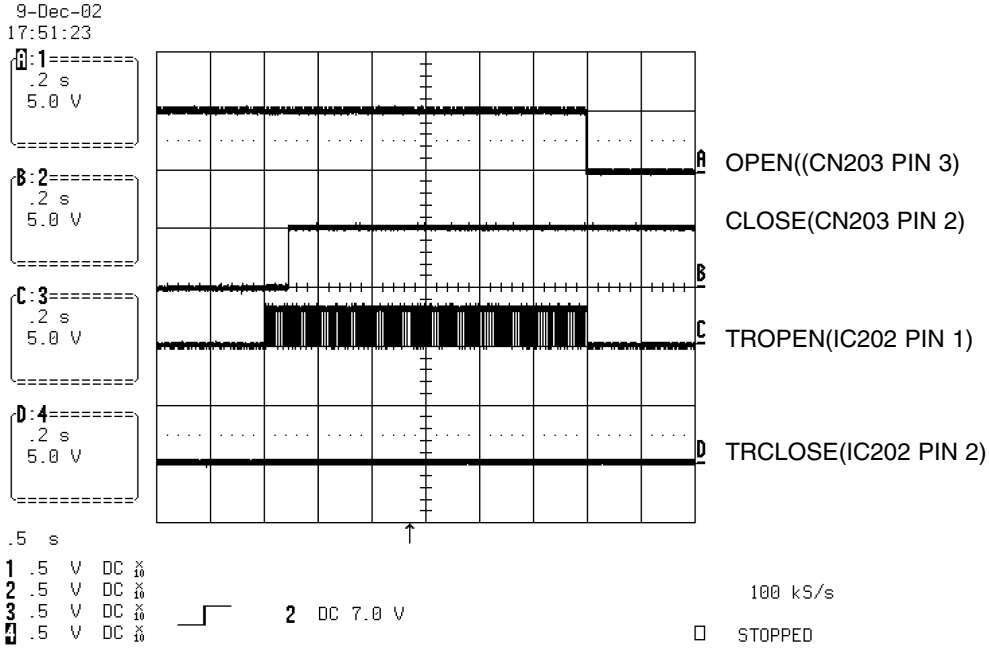


FIG 3-2

3) Tray open waveform

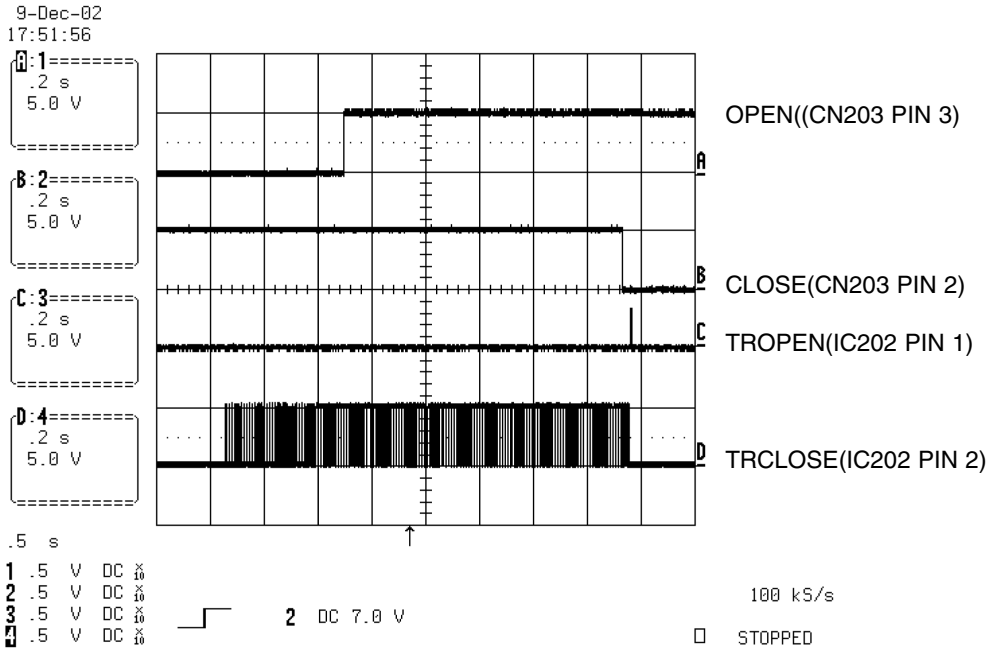


FIG 3-3

4. SLED CONTROL RELATED SIGNAL (NO DISC CONDITION)

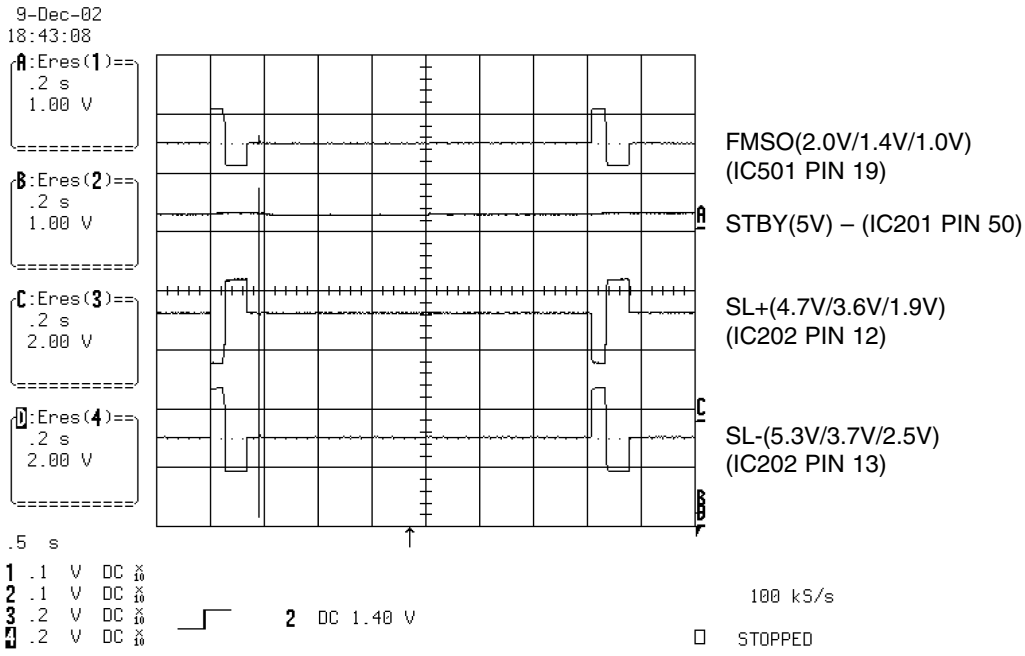


FIG 4-1

5. LENS CONTROL RELATED SIGNAL(NO DISC CONDITION)

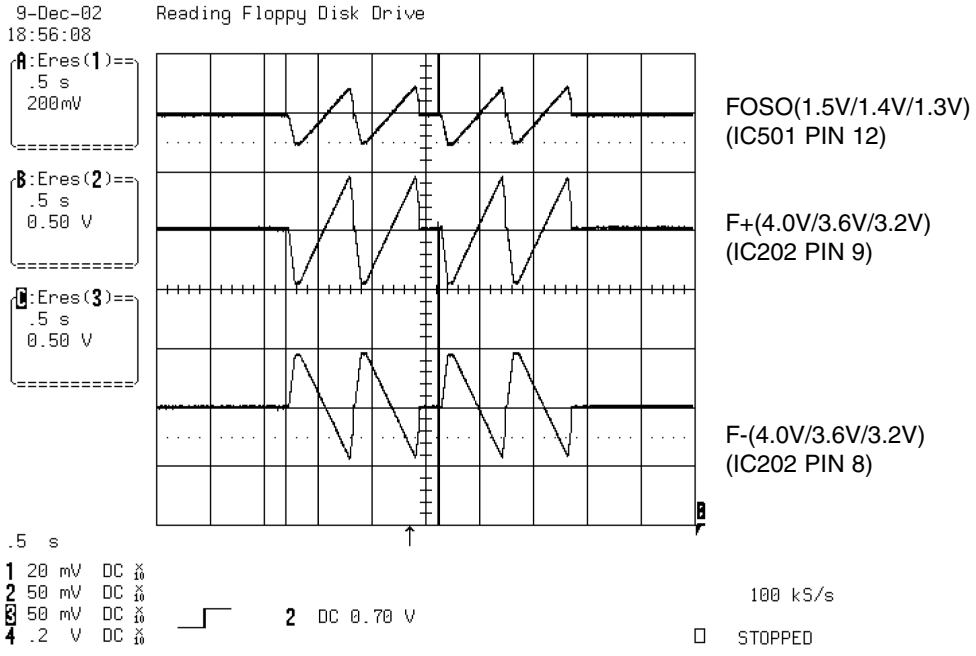


FIG 5-1

6. LASER POWER CONTROL RELATED SIGNAL(NO DISC CONDITION)

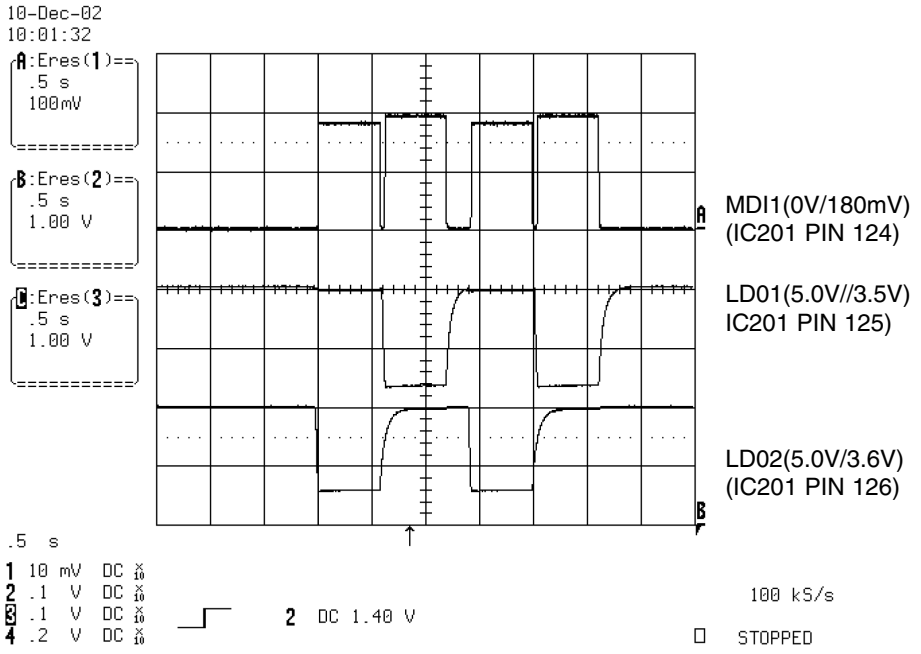


FIG 6-1

7. DISC TYPE JUDGEMENT WAVEFORM

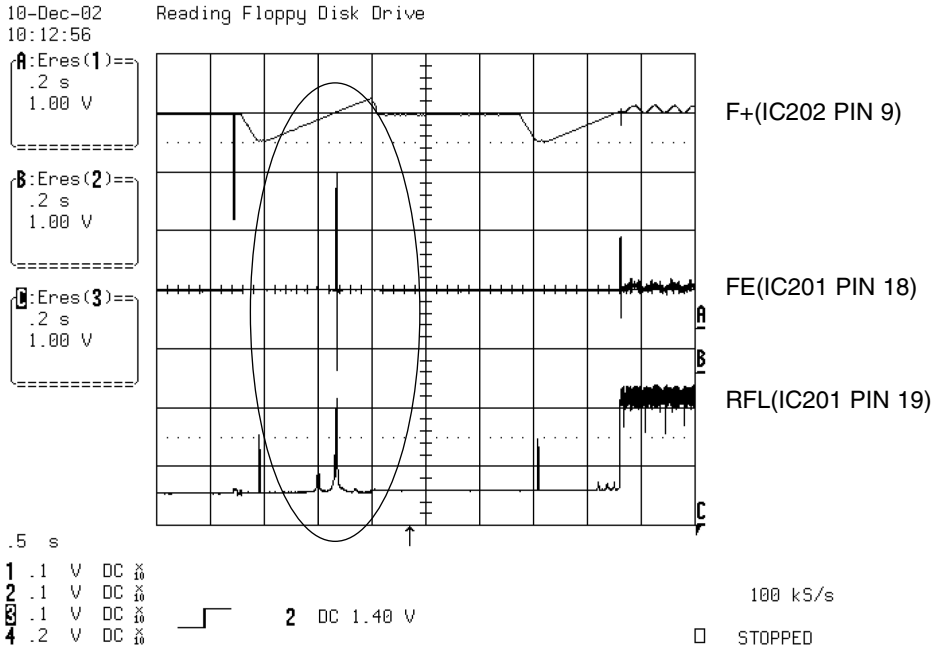


FIG 7-1 (DVD)

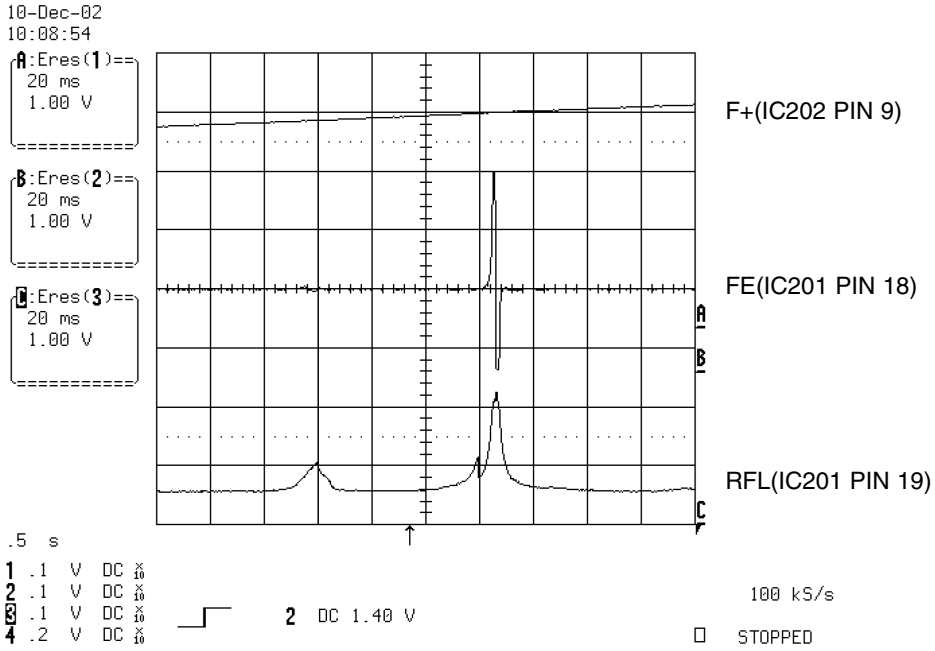


FIG 7-2 (DVD)

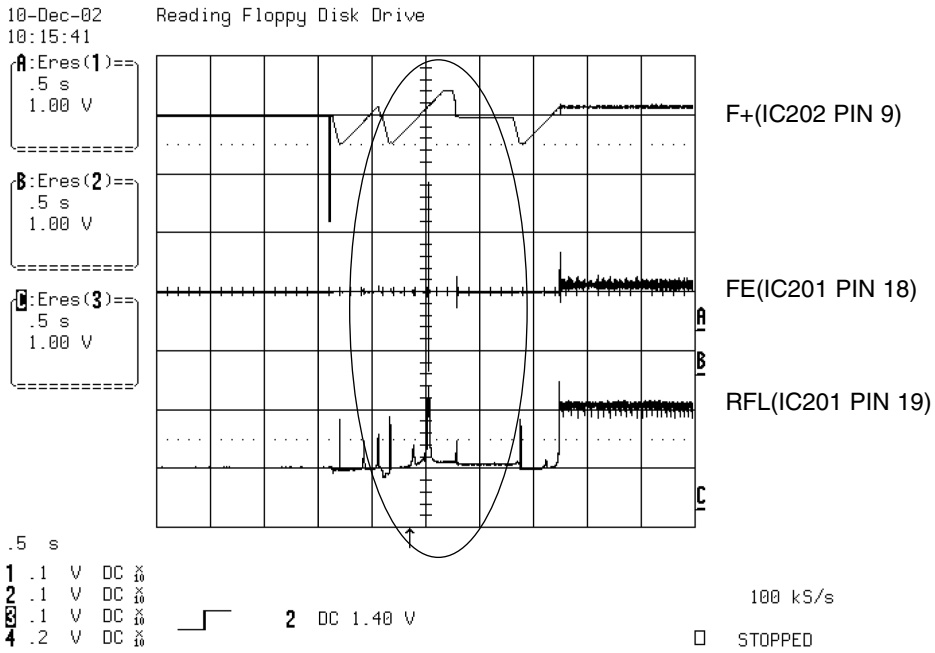


FIG 7-3 (CD)

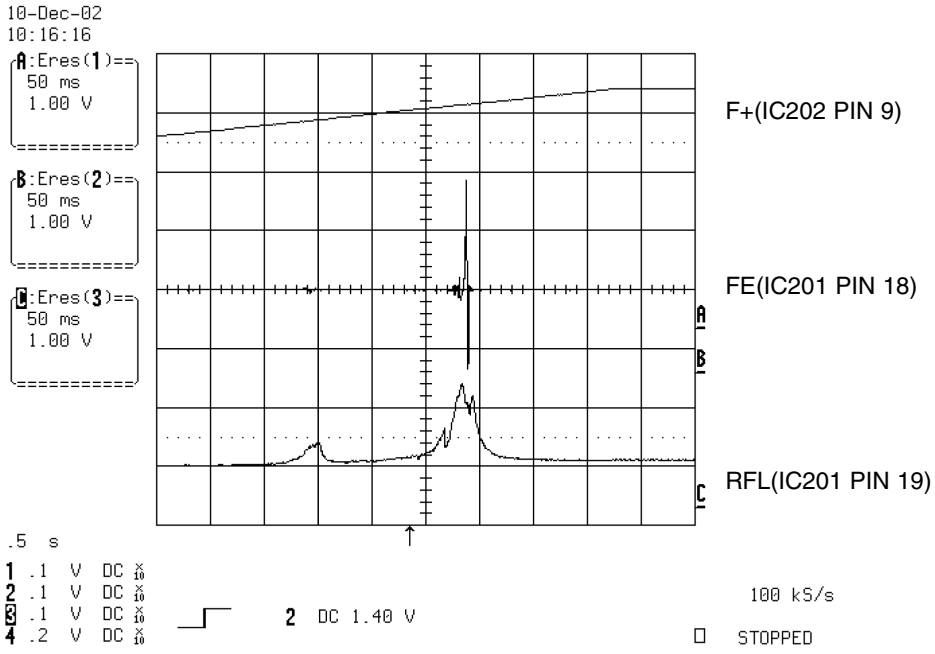


FIG 7-4 (CD)

8. FOCUS ON WAVEFORM

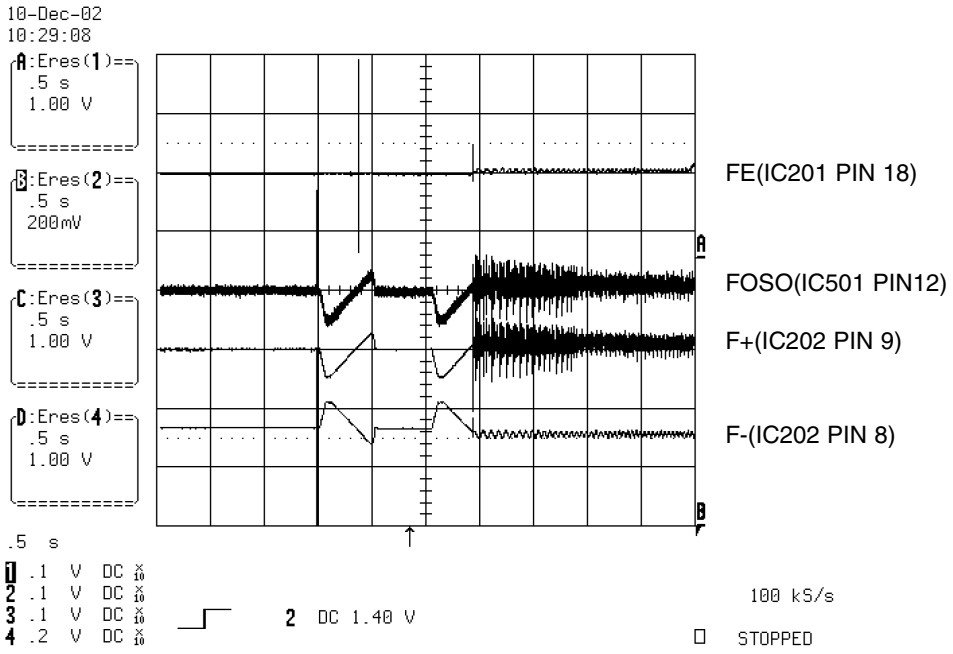


FIG 8-1 (DVD)

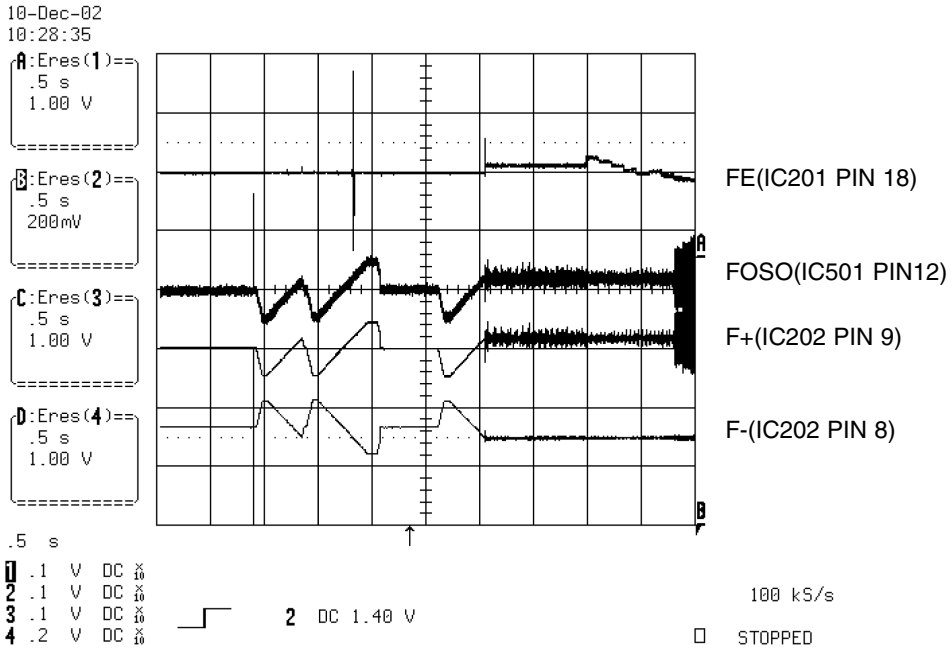


FIG 8-2 (CD)

9. SPINDLE CONTROL WAVEFORM (NO DISC CONDITION)

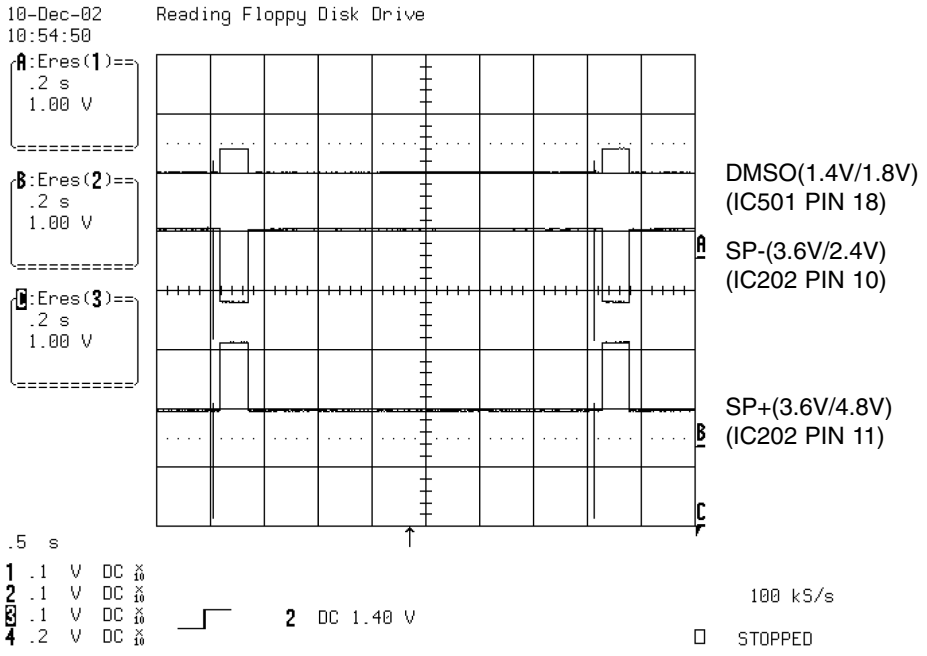


FIG 9-1

10. TRACKING CONTROL RELATED SIGNAL(System checking)

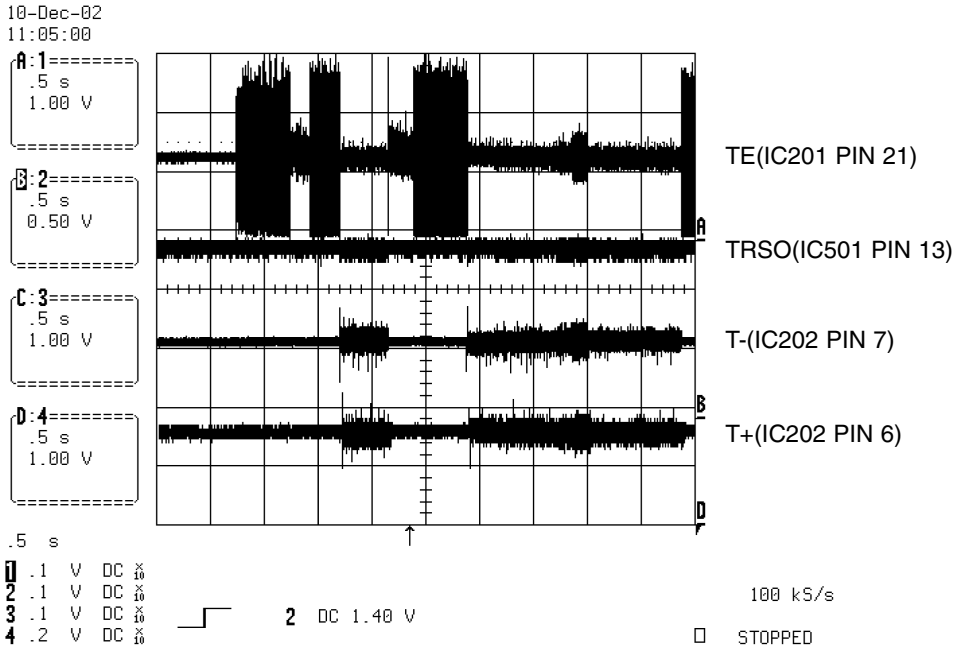


FIG 10-1(DVD)

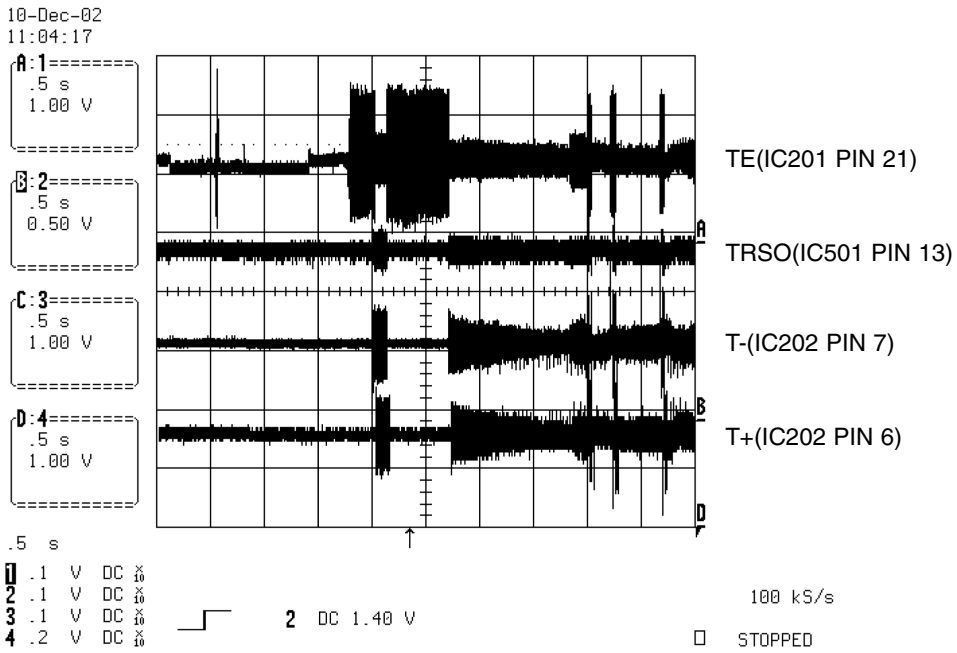


FIG 10-2(CD)

11. RF WAVEFORM

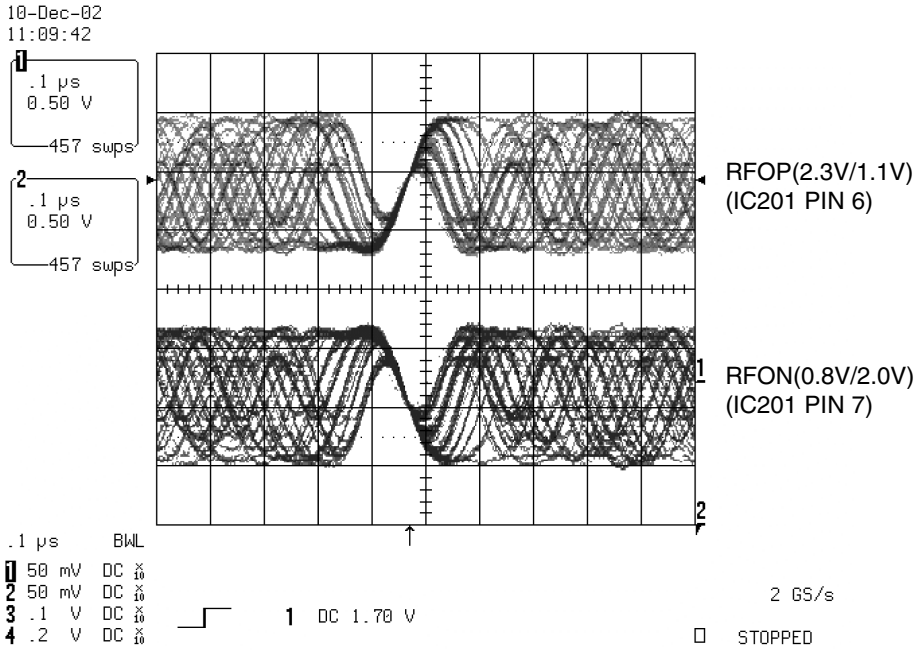


FIG 11-1

12. MT1379 AUDIO OPTICAL AND COAXIAL OUTPUT (ASPDIF)

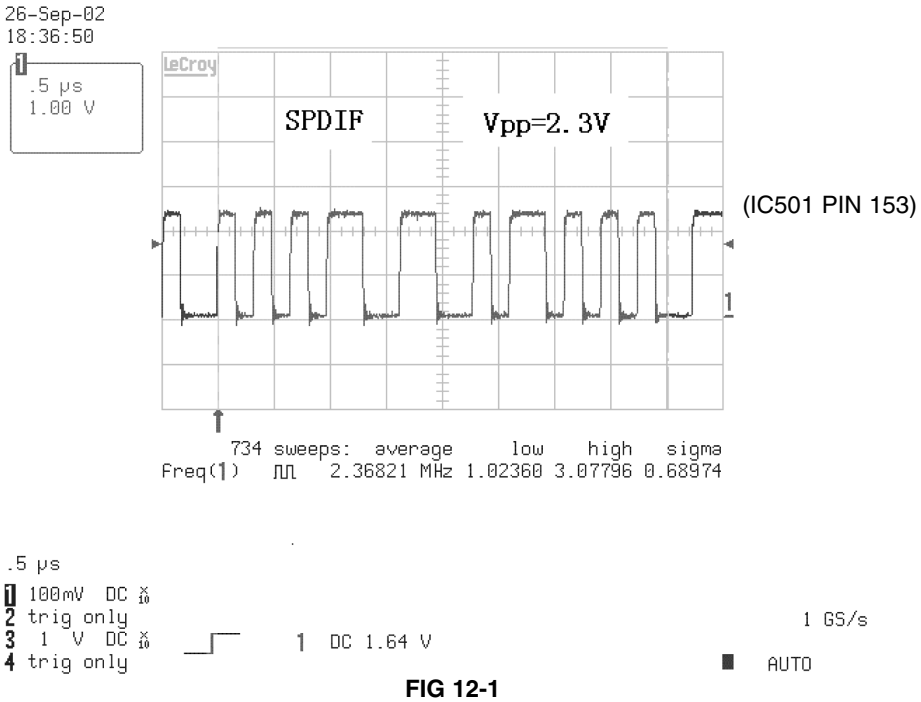
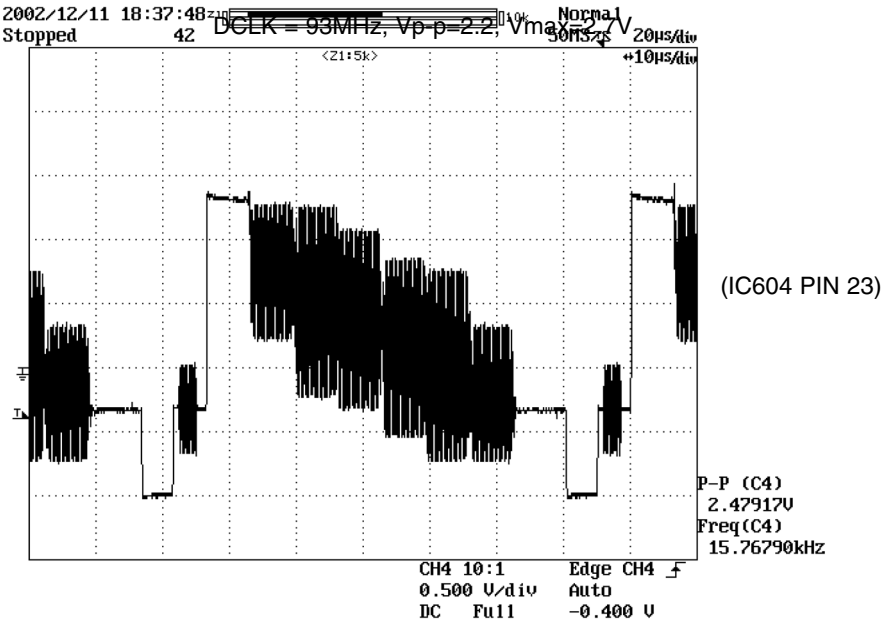


FIG 12-1

13. MT1379 VIDEO OUTPUT WAVEFORM

1) Full colorbar signal(CVBS)

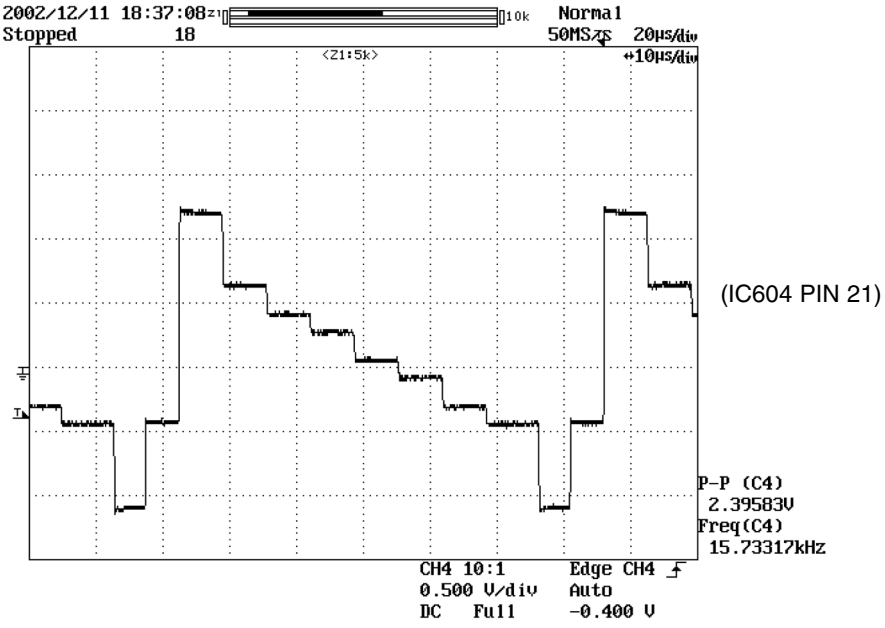


DCLK = 93MHz, Vp-p=2.2, Vmax=2.7V

(IC604 PIN 23)

FIG 13-1

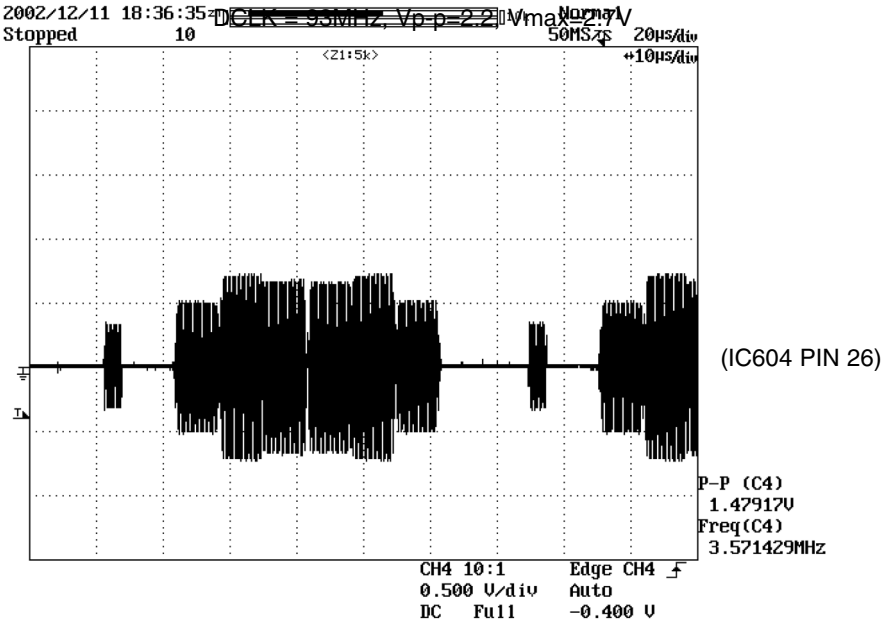
2) Y



(IC604 PIN 21)

FIG 13-2

3) C

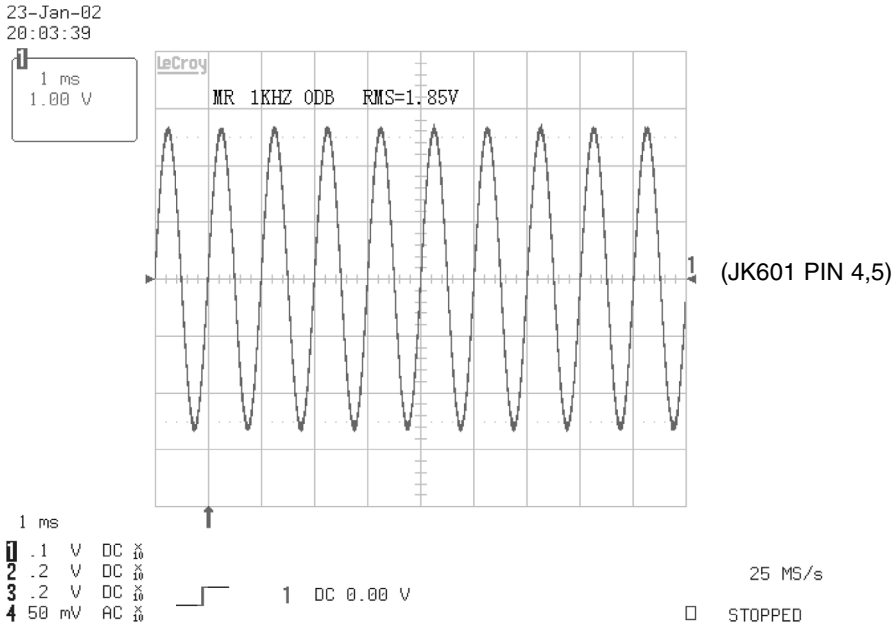


(IC604 PIN 26)

FIG 13-3

14. AUDIO OUTPUT FROM AUDIO DAC

1) Audio L/R



(JK601 PIN 4,5)

FIG 14-1

2) Audio related Signal

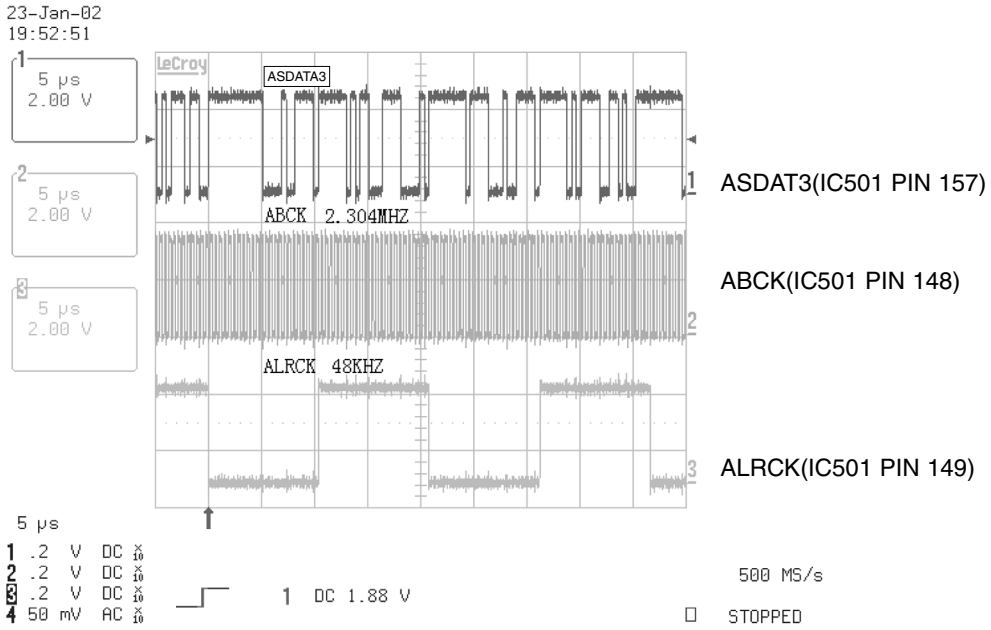
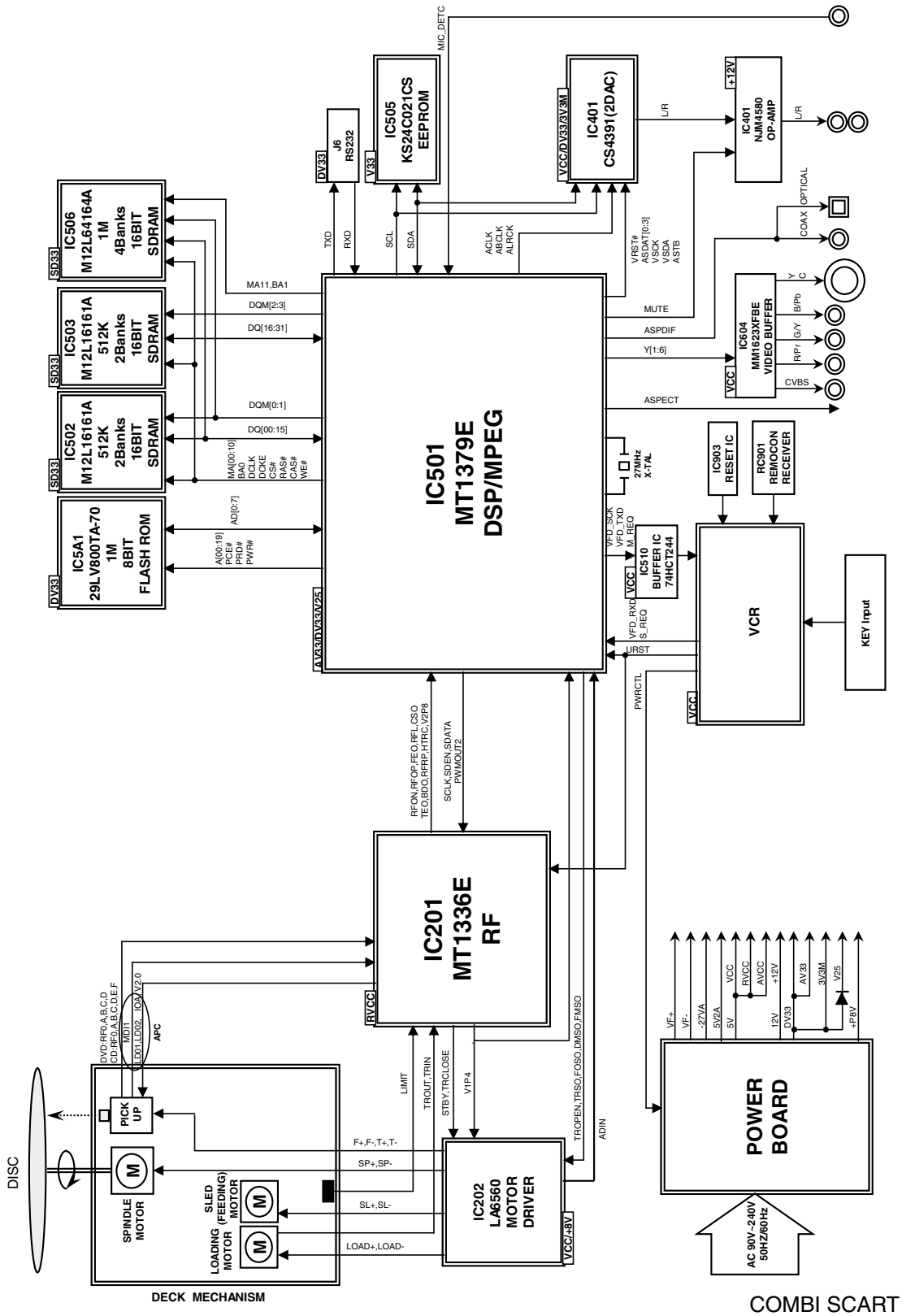


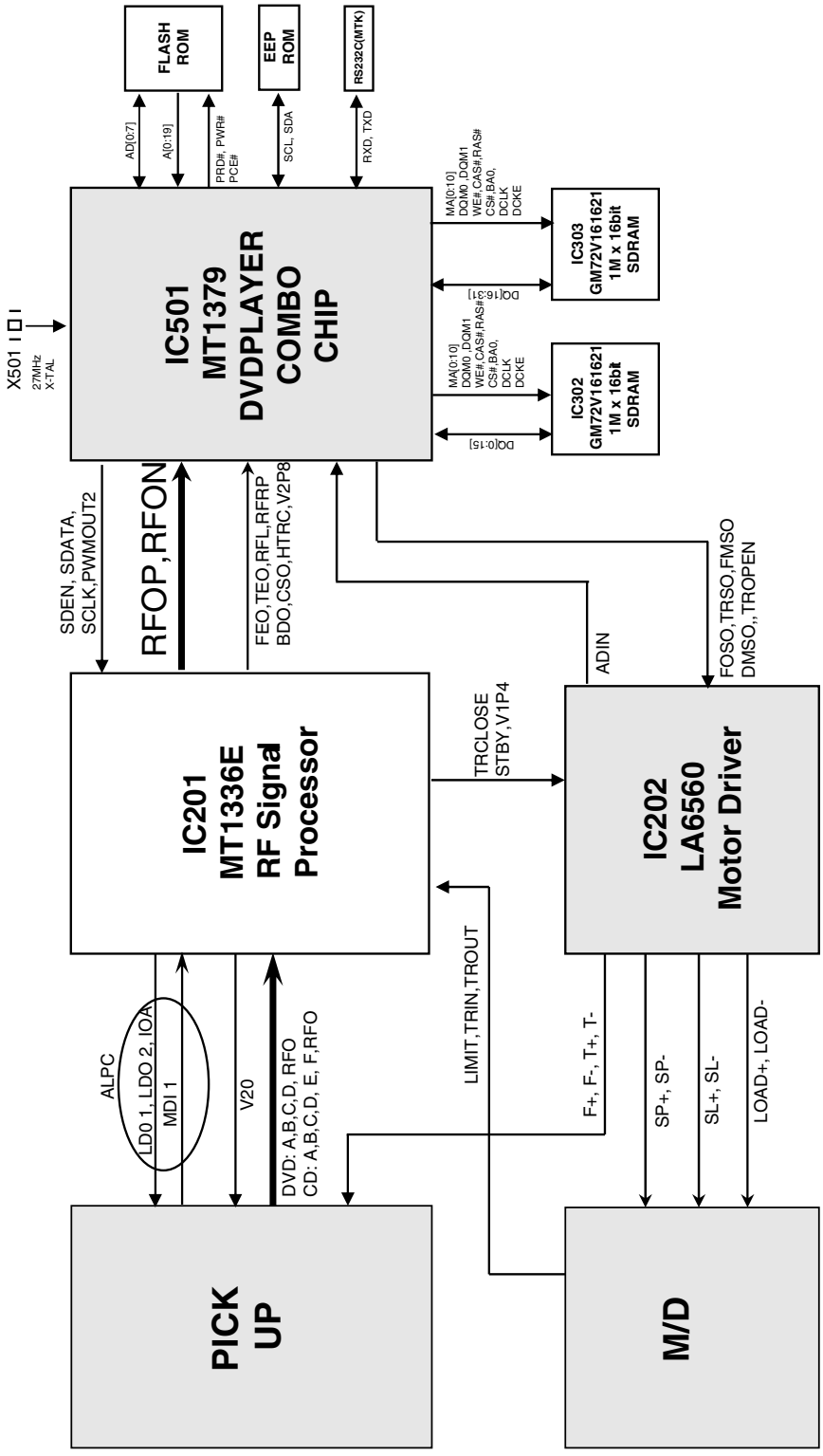
FIG 14-2

BLOCK DIAGRAMS

1. Overall Block Diagram

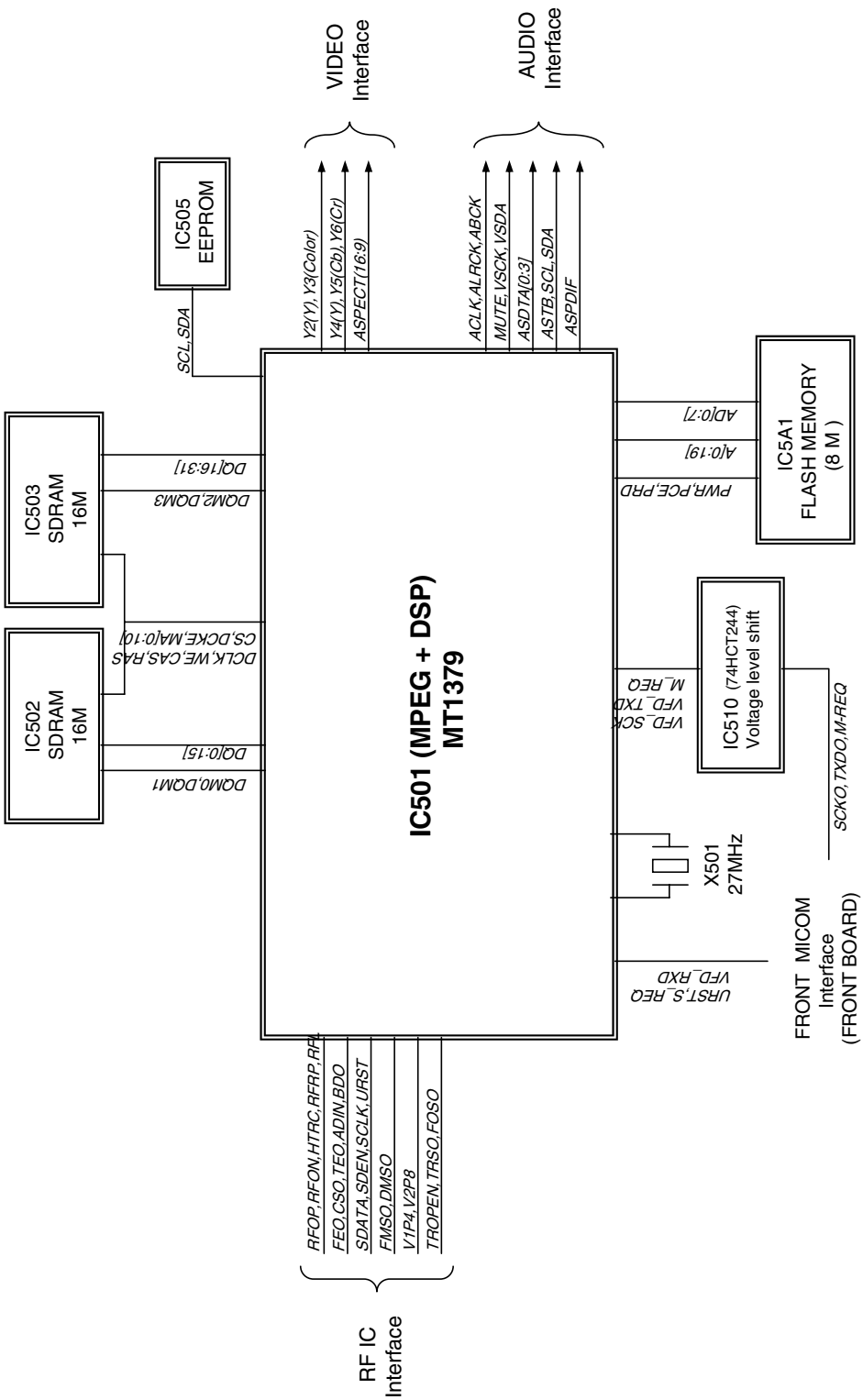


2. SERVO Block Diagram



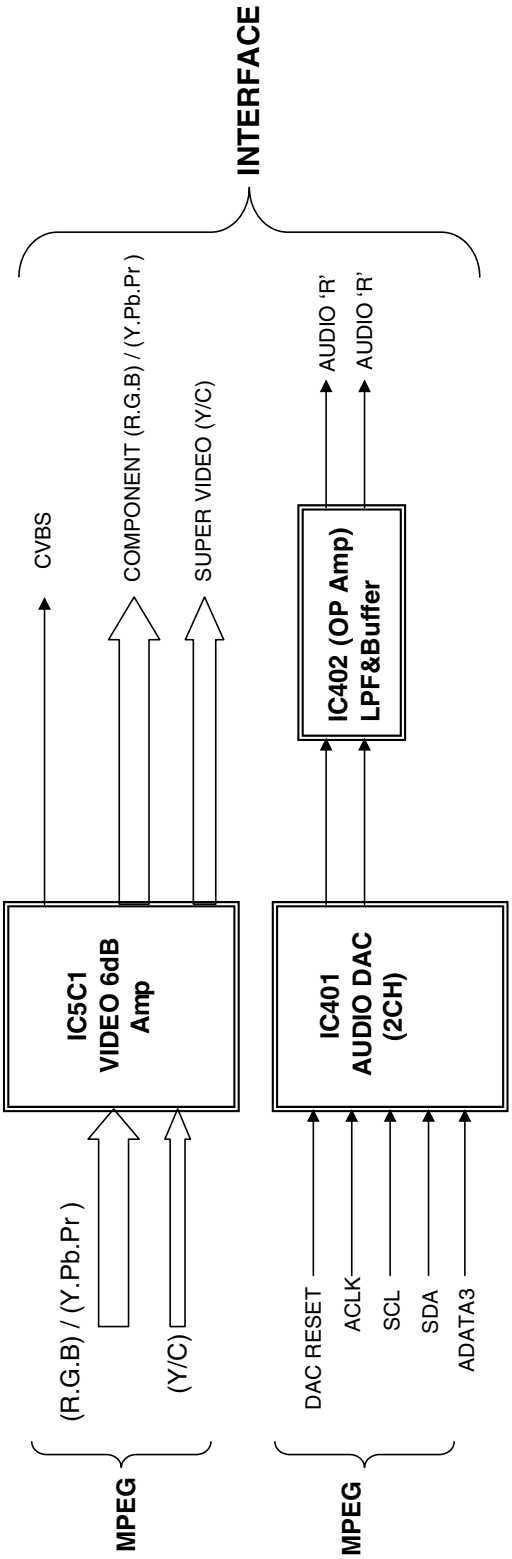
COMBI SCART
MTK

3. MPEG & MEMORY Block Diagram



COMBI SCART
MTK

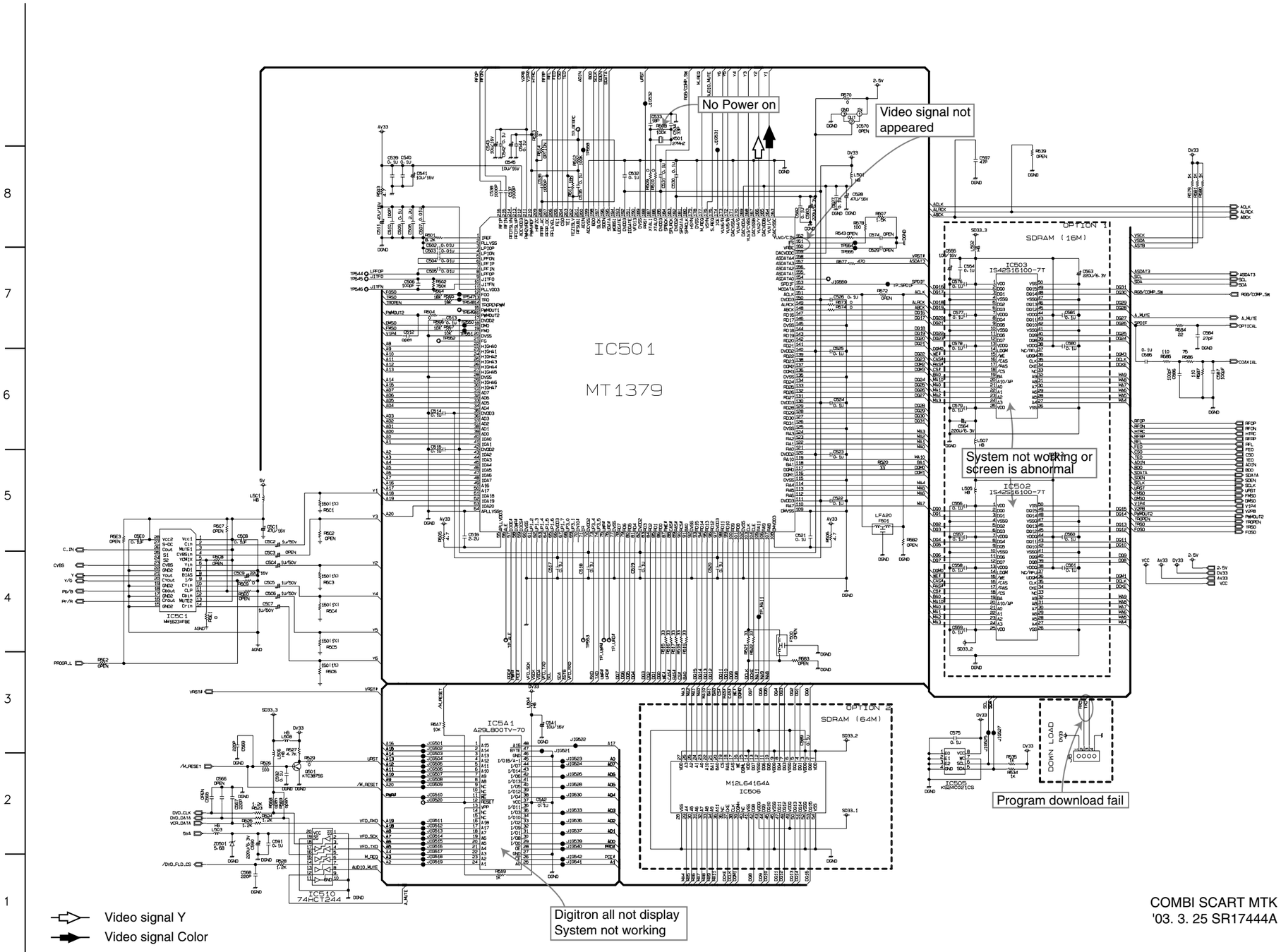
4. VIDEO & AUDIO Block Diagram



COMBI SCART
MTK

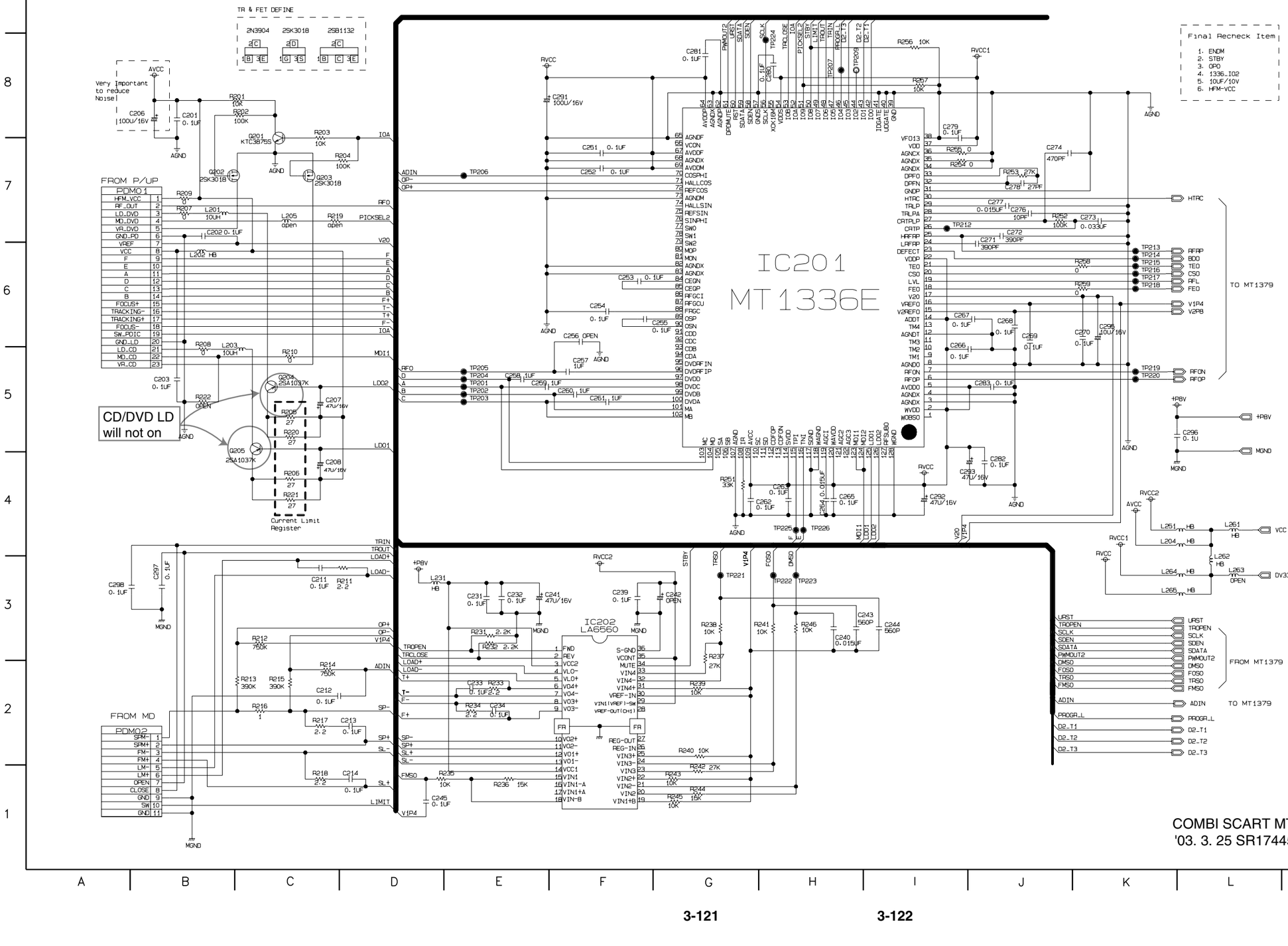
CIRCUIT DIAGRAMS

1. SYSTEM CIRCUIT DIAGRAM

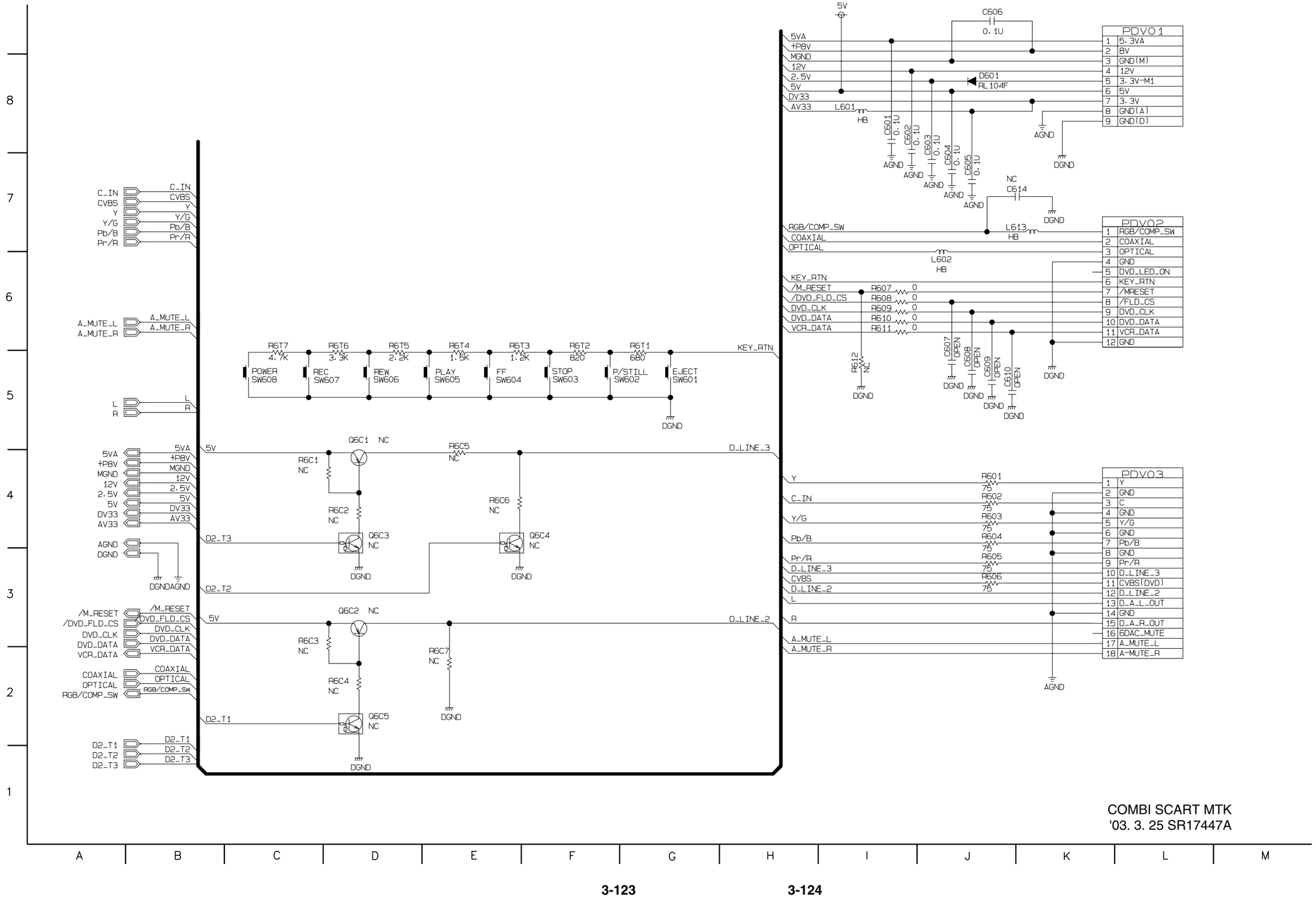


COMBI SCART MTK
'03. 3. 25 SR17444A

2. RF & DSP SERVO CIRCUIT DIAGRAM

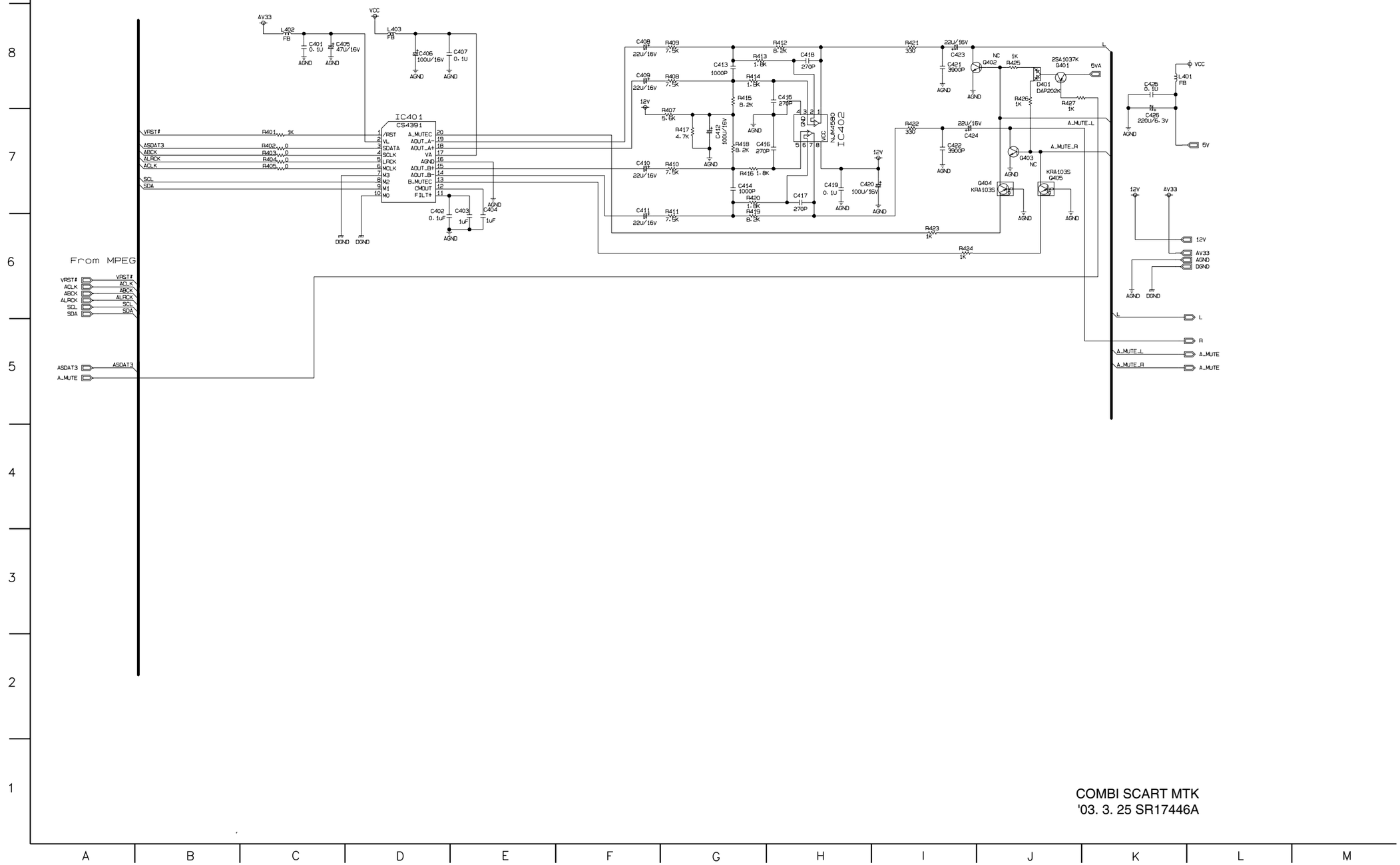


3. AUDIO CIRCUIT DIAGRAM



COMBI SCART MTK
'03. 3. 25 SR17447A

4. AV/JACK CIRCUIT DIAGRAM



COMBI SCART MTK
'03. 3. 25 SR17446A

• CIRCUIT VOLTAGE CHART

	IC201(MT1336E)		IC202(MOTOR)		IC501(MT1379)		IC502(SDRAM)		IC505(EEPROM)		IC510(BUFFER)		IC5A1(FLASH)		IC401(CS4391)		IC402(AMP)		IC5C1(MM1623XFBE)	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
1	1.03	2.99	0	0	1.22	1.22	3.27	3.28	0	0	0	0								
2	5.11	5.08	0	0	0	0	1.18	1.26	0	0	2.59	2.55	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
3	0	0	8.04	8.01	0.96	0.9	1.1	1.52	0	0	0	0	0.08	0.16	3.28	3.29	5.52	5.49	5.09	5.08
4	0	0	0.12	0.06	2	2.06	0	0	0	0	2.59	2.56	1.82	0.45	3.28	3.28	5.52	5.48	2.43	2.42
5	5.11	5.07	0	0.06	0	1.51	0.66	1.07	3.28	3.29	0	0	2.84	0	0	1.65	5.51	5.47	5.09	5.08
6	0	1.95	3.64	3.69	1.48	1.47	0.85	1.12	3.28	3.29	3.24	3.23	2.83	3.12	1.63	1.64	0	0	1.45	0
7	0	0	3.62	3.61	0	1.56	3.27	3.28	0	0	0	0	0.69	0.26	1.64	1.65	5.51	5.48	0	0
8	0	0	3.64	3.53	3.2	1.52	0.51	0.97	3.28	3.29	0.14	0.08	1.72	0.25	1.59	1.61	5.51	5.48	1.45	1.69
9	5.11	0	3.6	3.76	0.12	0.06	3.06	0			0	0	1.92	0.9	0	0	5.52	5.47	0	0
10	5.11	5.08	3.62	2.43	0.12	0.06	0	0			0	0	1.7	1.45	3.28	0	12.03	12.03	2.47	2.46
11	5.11	5.08	3.63	4.85	3.25	3.25	0.06	0.98			0.15	0.09	0	0	3.28	3.29			0	0
12	0	0	3.62	3.72	1.41	1.49	3.18	0.87			0	0	0	0	0	0			1.14	1.76
13	5.11	0	3.64	3.57	1.41	1.41	3.27	3.28			0.15	0.08	3.27	3.29	5.01	5.01			0	0
14	5.11	5.08	8.04	8.01	0	0	2.94	2.56			5.19	5.19	3.56	3.55	2.31	2.31			2.42	2.42
15	2.84	2.81	1.45	1.48	1.42	1.42	0.47	0.42			0.14	0.09	3.29	3.29	4.96	0			5.09	5.08
16	1.45	1.43	0.27	1.39	3.3	0	2.93	3.01			5.25	5.24	0	0	1.42	2.41			2.43	2.42
17	2.08	2.07	0.29	1.32	2.53	2.53	3.21	3.22			0.15	0.08	0.23	0.06	2.4	2.39			0	0
18	1.37	1.42	1.45	1.43	1.42	2.27	2.87	2.95			5.23	5.23	0	0	0	0			2.49	2.47
19	0.69	2.3	1.45	1.43	1.42	1.39	0.15	1.32			0	0	0	0	5.11	5.09			0	0
20	2.4	0	1.45	0.82	0	0	0	0.05			5.25	5.25	0	0.87	2.41	2.41			2.48	2.47
21	2.35	0	1.45	1.43	2.61	2.58	3.09	1.32					1.98	2.64	2.43	2.43			0	0
22	5.11	5.08	1.45	1.43	0.75	1.46	3.09	1.32					2.28	2.18	0	0			1.18	2.3
23	0	0	1.47	1.37	2.83	1	3.09	1.32					2.13	1.96					1.76	2.17
24	2.59	3.2	1.45	1.43	1.9	0.89	3.09	1.33					1.67	2.01					0	0
25	0.19	1.88	1.45	1.43	1.72	0.39	3.27	3.29					1.99	1.72					1.76	2.24
26	1.58	0	0.95	0.91	0.68	0.31	0	0					1.93	2.19					0	0
27	2.56	3.13	0	0	2.84	3.16	0.15	1.36					2.05	1.94					0	0
28	2	2.01	1.45	1.43	0	0	1.84	2.36					0	0					0	0
29	2	2.06	5.15	5.11	2.85	0.66	1	2.32					0	0					0.06	0.05
30	2.96	1.52	1.45	1.43	1.83	0.49	0.54	1.75					0	0					5.09	0
31	0	0	1.45	1.43	0.91	1.39	0.06	0.06					1.49	2.03						
32	0.06	2.07	1.45	1.43	1.43	1.2	0.05	0.06					0.16	1.07						
33	0.07	2.07	1.46	1.45	1.51	1.57	0	0					1.96	1.25						
34	0	0	5.08	5.06	1.51	1.43	0.73	1.26					0.16	1.1						
35	0	0	5.15	5.11	3.3	3.29	1.48	1.55					0.99	2.2						
36	0	0	0	0	0.81	1.26	2.91	2.53					1.17	1.07						
37	5.13	0			1.45	1.02	0.07	0					0.79	1.82						
38	0	0			1.82	1.6	3.27	3.28					0.15	1.07						
39	0	0			1.2	1.5	1.06	1.05					3.29	3.3						
40	0	0			2	2.06	0.47	0.98					1.93	3.09						
41	0	0			2.17	1.95	0	0					0.16	1.07						
42	5.12	5.09			2.53	2.52	0	0.6					1.5	2.2						
43	5.12	5.09			1.96	1.9	1.12	1.24					0.16	1.07						
44	5.12	5.09			1.79	1.9	3.27	3.28					1.21	2.64						
45	5.12	5.09			0.8	1.72	1.21	0.99					0.16	1.08						
46	5.12	5.09			0.8	1.96	1.31	1.34					1.64	1.48						
47	0	0			0.8	1.84	0	0					2.05	2.06						
48	5.12	5.09			3.3	2.63	1.43	1.44					0	0						
49	5.12	0			0	0.13	0.88	1.01					0	0						
50	5.08	5.06			0	0.07	0	0					0.07	0.13						
51	5.09	5.07			0	0														
52	5.1	0			0	0														
53	0	0			0	0														
54	5.13	0			0	0														
55	0.09	0.2			3.25	3.27														
56	1.61	0			1.21	1.18														
57	0	0			0	0														
58	0	0			3.29	3.29														
59	0	0			0	0														
60	0	0			0	0														
61	3.28	0			2.59	2.57														
62	0	0			2.58	2.58														
63	0	0			0	0														
64	0	0			2.59	2.56														
65	0	0			3.29	3.29														
66	0.26	0			3.3	3.29														
67	5.12	5.08			3.29	3.29														
68	0	0			2.57	2.56														
69	5.12	0			5.19	5.18														
70	3.21	2.03			2.59	2.57														
71	3.46	2.2			0.12	0.08														
72	2.81	0			2.53	2.52														
73	0	0			2.59	2.57														
74	0.21	0.09			3.29	3.29														
75	0.22	0			2.61	2.61														
76	0	0.1			3.27	3.24														
77	0.21	0.09			0	0														
78	0.23	0.09			0.94	1.04														
79	0.21	0.08			0.78	1.06														
80	0.23	0.08			0.89	1.15														

	IC201(MT1336E)		IC202(MOTOR)		IC501(MT1379)		IC502(SDRAM)		IC505(EEPROM)		IC510(BUFFER)		IC5A1(FLASH)		IC401(CS4391)		IC402(AMP)		IC5C1(MM1623XFBE)	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
81	0.22	0			0.99	1.34														
82	0	0			2.52	2.52														
83	0	0			3.09	1.33														
84	0.07	0			0.37	1.16														
85	0.07	2.27			3.08	1.1														
86	1.97	0			3.07	1.08														
87	1.96	1.9			0.59	1.04														
88	1.54	1.71			1.57	2.53														
89	0.19	2.22			3.2	3.13														
90	0.21	0			2.77	2.53														
91	0.22	0.06			0.22	1.68														
92	0.22	0			0	0														
93	0.23	0.06			3.32	1														
94	0.23	0.06			0.16	1.58														
95	2.28	0			3.31	1.62														
96	2.28	2.25			3.3	1.08														
97	2.27	1.23			3.3	3.29														
98	2.27	2.23			3.32	1.62														
99	2.27	2.23			0.16	1.09														
100	2.26	2.23			3.32	1.27														
101	2.08	2.17			3.3	1.32														
102	2.07	2.17			0	0														
103	2.07	2.18			1.56	1.55														
104	2.08	0			0.94	1.25														
105	0.14	0.15			0.41	0														
106	0.14	0.16			0.05	0.06														
107	0	0			0	0.06														
108	1.28	1.28			3.27	3.26														
109	5.18	5.05			0	0														
110	0.14	0.16			0.19	1.74														
111	0.15	0.15			3.3	3.29														
112	0.13	0.16			0.18	1.62														
113	0.14	0.15			2.98	2.38														
114	5.1	5.05			3.02	1.48														
115	2.07	2.09			0	0														
116	2.06	2.09			2.86	3.01														
117	0	0			2.86	2.54														
118	0	0			0	0														
119	0	0			0	2.5														
120	5.1	5.05			2.55	2.51														
121	0.13	0.15			3.03	1.4														
122	0.14	0.15			3.03	1.4														
123	0	0.18			0.22	1.39														
124	0	0.18			0.22	0.34														
125	5.08	5.03			0	0														
126	5.08	3.16			3.31	0.98														
127	0.06	2.08			0.26	1.64														
128	0	0			3.31	1.53														
129					3.3	1.15														
130					3.3	3.29														
131					3.31	1.49														
132					0.16	0.89														
133					3.3	0														
134					3.3	1.07														
135					0	0														
136					2.86	2.53														
137					2.86	2.53														
138					0.07	0.86														
139					0.09	0.99														
140					0.07	2.51														
141					0.07	0.94														
142					0.09	1.13														
143					0.07	1.19														
144					0.09	1.07														
145					0.09	0														
146					0	1.51														
147					0.09	1.25														
148					0.07	1.64														
149					0.06	0														
150					0	1.65														
151					0.07	3.29														
152					0	1.6														
153					0	1.64														
154					0	1.44														
155					0	0														
156					0	0														
157					0	1.63														
158					0	3.29														
159					0	3.27														
160					0	1.27														

	IC201(MT1336E)		IC202(MOTOR)		IC501(MT1379)		IC502(SDRAM)		IC505(EEPROM)		IC510(BUFFER)		IC5A1(FLASH)		IC401(CS4391)		IC402(AMP)		IC5C1(MM1623XFBE)	
PIN	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
161					0	1.27														
162					0	2.35														
163					0	0														
164					0	0.73														
165					0	3.27														
166					0	0.5														
167					0	0														
168					0	0.53														
169					0	3.27														
170					0	0.59														
171					0	0														
172					3.01	0.72														
173					0	0.72														
174					0	0														
175					0	2.73														
176					0	3.13														
177					0	3.13														
178					0	3.25														
179					0	0														
180					0	0														
181					2.04	2.64														
182					0	2.52														
183					0	0														
184					0	0.09														
185					0	3.26														
186					-	-														
187					0	0.08														
188					0	0														
189					0	0														
190					0	0														
191					0.23	0														
192					0	3.29														
193					0	0														
194					0	0														
195					0	0														
196					0	0														
197					0	1.63														
198					0	0														
199					0	0														
200					0	2.15														
201					0	1.44														
202					0	1.44														
203					0	1.43														
204					0	1.43														
205					0	1.42														
206					0	2.1														
207					0	2.07														
208					0	1.41														
209					0	1.52														
210					0	1.43														
211					0	2.81														
212					0	3.28														
213					0	0.12														
214					0	0.12														
215					1.02	1.43														
216					0	1.43														

	Q201		Q202		Q203		Q204	
	STOP	PLAY	STOP	PLAY	STOP	PLAY	STOP	PLAY
E	0	0	0	0	0	0	5.14	4.34
C	0	5.09	0	0	0	0.19	0	2.42
B	0.68	0	0	5.04	5.04	0	5.08	3.64
	Q205		Q501		Q6401			
	STOP	PLAY	STOP	PLAY	STOP	PLAY		
E	5.14	5.10	0	5.17	0			
C	0.5	0	0	0	0	0.13		
B	5.08	5.05	0.83	0.83	5.11	0		

NOTES) If you want to purchase Flash memory, you must order "IC3F1A"

NOTES) ⚠ Warning
Parts that are shaded are critical With respect to risk of fire or electricial shock.

SECTION 6 REPLACEMENT PARTS LIST

MODEL : A) XBV342 (ZENITH) **RUN DATE:07,MARCH,2003**

MECHANICAL SECTION **NSP:NOT SERVICE PART**

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
DVD SIDE(NS MODEL)							
			ASSEMBLY SECTION				
		A01	4861R-0006B	O	CLAMP ASSEMBLY	DISC(DP2)-SH	
		A02	3041R-0056C	O	BASE ASSEMBLY	MAIN(DP-4,5 COMBI) SH	
		A03	3041R-0054F	O	BASE ASSEMBLY	SLED (DP-5RM, 2LD 302T DC W/O	
		A26	6721RH0353B	O	DECK ASSEMBLY,VIDEO	DECK/MECHA DV5-4V (PU FFC 140)	NSP
			PARTS SECTION				
		001	3300R-0547A	O	PLATE	CLAMP	NSP
		002	5016H-1016B	O	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)	NSP
		003	4860R-0006A	O	CLAMP	UPPER	NSP
		004	4930R-0171A	O	HOLDER	CLAMP	
		008	4470R-0047A	O	GEAR	ASSY RACK	
		009	4470R-0053A	O	GEAR	MIDDLE	
		010	6850R-GK22Z	O	CABLE,FLAT	P=1.0 FFC UL2896(0.05X0.65) 11	
		012	5040R-0047B	O	RUBBER	DAMPER(E2,5040H-1054A),CHUNPOO	
		013	4400R-0006A	O	BELT	LOADING	
		014	4470R-0055A	O	GEAR	PULLEY	
		015	6871R-4415D	O	PWB(PCB) ASSEMBLY,TOTAL	LOADING DP4 MITSUMI -SH	
		016	4470R-0050A	O	GEAR	ASSY FEED	
		017	4470R-0056A	O	GEAR	LOADING	
		018	4974R-0023A	O	GUIDE	UP/DOWN	
		020	3040R-0024A	O	BASE	MAIN	NSP
		026	3390R-0005A	O	TRAY	DISC	
			SCREW				
		430	1SZZH-1003A	O	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		431	1SZZH-1007B	O	SCREW,DRAWING	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		431	1SZZR-0012A	O	SCREW,	B-TITE	
		432	1SZZR-0011A	O	SCREW,	MACHINE	
VCR SIDE							
			ASSEMBLY SECTION				
		A00	6721RD0740D	O	DECK ASSEMBLY,VIDEO	DECK/MECHA D35(N) (4HF, NT, AH	NSP
		A01	6723R-0403A	O	DRUM(CIRC) ASSEMBLY	D35-6CH NTSC (8C6W)	
		A04	4811RF0038A	O	BRACKET ASSEMBLY	L/D(S)	
		A11	4471R-0005A	O	GEAR ASSY	P3	
		A12	4471R-0004A	O	GEAR ASSY	P2	
		A21	4931R-0047A	O	HOLDER ASSY	CST	
		A22	4471R-0006A	O	GEAR ASSY	RACK F/L	
		A23	4261R-0023A	O	ARM ASSY	F/L	
		A24	4510R-0046A	O	LEVER	ASSY SWITCH	
			PARTS SECTION				
		001	6723R-0306A	O	DRUM(CIRC) ASSEMBLY	SUB D35-6CH (8C6W)	NSP
		002	4680R-B005A	O	MOTOR(MECH)	DRUM I2OAL05 SEJIN-SANKYO ICLE	
		002A	5202R00002C	O	BRUSH,CARBON	ASSY D33 (TIP+2 SPRING) 1.4,	
		003	4930R-0284A	O	HOLDER	FPC(6CH)	
		004	5006R-0034A	O	CAP	FPC	
		008	6850R-HG18Z	O	CABLE,FLAT	P=1.25 FFC UL2896(0.05X0.8) 7	
		009	4260R-0038A	O	ARM	T/UP(D35)	
		011	4261R-0022A	O	ARM ASSY	TENSION(D35)	
		012	3041R-0037A	O	BASE ASSY	P2	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		013	3041R-0038A	O	BASE ASSY	P3	
		014	3041R-0039A	O	BASE ASSY	P4	
		015	5870R-0005A	O	OPENER	LID(D35)	
		016	3041R-0036A	O	BASE ASSEMBLY	A/C HEAD (ALPS)	
		017	4408R-0003A	O	REEL	S	
		018	4970R-0140A	O	SPRING	COIL RS D35	
		019	4421R-0008A	O	BRAKE ASSEMBLY	RS	
		020	4970R-0128A	O	SPRING	COIL D35 (TB)	
		021	4421R-0006A	O	BRAKE ASSY	T	
		022	6520D00002A	O	HEAD(CIRC)	D35 FE ST FE HEAD	
		023	3040R-0057A	O	BASE	LOADING	
		024	4261R-0029A	O	ARM ASSEMBLY	IDLER (N)	
		025	4810R-0118A	O	BRACKET	L/D(S)	NSP
		026	4680R-D002A	O	MOTOR(MECH)	LOADING MDB2B66 SANKYO D35 ASP	NSP
		027	4470R-0093A	O	GEAR	WHEEL	NSP
		028	4408R-0004A	O	REEL	T	
		030	4510R-0043A	O	LEVER	T/UP	
		031	4970R-0123A	O	SPRING	COIL TENSION(D35)	
		032	3141R-0040A	O	CHASSIS ASSY	D35	NSP
		051	4400R-0005A	O	BELT	CAPSTAN	
		052	4680R-A007A	O	MOTOR(MECH)	CAPSTAN F2QVB06 SANKYO D35 ASR	
		052A	4980R-0023A	O	SUPPORTER	CAPSTAN(D35)	
		054	4470R-0100A	O	GEAR	RACK F/L	
		054A	4970R-0124B	O	SPRING	COIL D35 (RACK F/L)	
		055	4470R-0097A	O	GEAR	DRIVE(D35)	
		056	4470R-0096A	O	GEAR	CAM(D35)	
		058	4421R-0007A	O	BRAKE ASSY	CAPSTAN	
		060	4510R-0040A	O	LEVER	F/R(D35)	
		061	4265R-0006A	O	CLUTCH ASSEMBLY	D35 (N)	
		064	4470R-0098A	O	GEAR	SECTOR(D35)	
		065	4261R-0021A	O	ARM ASSY	P3	NSP
		066	4970R-0122A	O	SPRING	COIL D35	NSP
		067	4470R-0095A	O	GEAR	P3	NSP
		068	4470R-0094A	O	GEAR	P2	NSP
		069	4970R-0122A	O	SPRING	COIL D35	NSP
		070	4261R-0020A	O	ARM ASSY	P2	NSP
		076	4510R-0047A	O	LEVER	SPRING	
		077	3300R-M116A	O	PLATE	SLIDER	
		078	4510R-0041A	O	LEVER	TENSION	
		079	3040R-0056A	O	BASE	TENSION(D35)	
		100	3301R-M022A	O	PLATE ASSEMBLY	TOP	
		100A	3300R-0184A	O	PLATE	GND	
		100B	3300R-M118A	O	PLATE	TOP(D35)	
		102	4970R-0130A	O	SPRING	COIL D35 (STOPPER)	
		103	4930R-0276A	O	HOLDER	SIDE(L)	NSP
		105	4930R-0274A	O	HOLDER	CST	NSP
		106	4930R-0275A	O	HOLDER	SIDE(R)	NSP
		107	4510R-0044A	O	LEVER	STOPPER	NSP
		109	5870R-0004A	O	OPENER	DOOR	
		110	4260R-0035A	O	ARM	F/L(L)	NSP
		112	3070R-0002A	O	BODY	F/L	NSP
		113	4970R-0127A	O	SPRING	COIL D35 (F/L(R))	NSP
		114	4260R-0036A	O	ARM	F/L(R)	NSP
		115	4510R-0042A	O	LEVER	SWITCH	
		116	4970R-0138A	O	SPRING	COIL D35 SWITCH	
		117	3300R-M137A	O	PLATE	SPRING CST	
			SCREW & WASHER				
		401	1MEC0261518	O	SCREW MACHINE,PAN HEAD SPR W	#NAME?	
		402	1MPC0261418	O	SCREW MACHINE,PAN HEAD	D 2.6 L 4.0 MSWR3/FZY	
		405	1SZZR-0031B	O	SCREW,DRAWING	+ 1 D2.6 L5.8 SWRCH16A/FZY TAP	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		406	1MEC0302018	O	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		409	1SZZR-0032B	O	SCREW,DRAWING	+ 1 D2.6 L5.0 SWRCH18A/FZY TAP	
		410	1APF0262218	O	SCREW TAP TITE(B),PAN HEAD	#NAME?	
		517	1WZZR-0004D	O	WASHER	STOPPER	
		518	1WZZR-0004A	O	WASHER	STOPPER	
		CABINET & MAIN FRAME SECTION					
			ASSEMBLY SECTION				
		A42	3501R-9902A	O	BOARD ASSEMBLY	VCR VC693M HA1UZZ	
		A43	3721R-F342E	O	PANEL ASSEMBLY,FRONT	VCR VC693M HA1UZZ VHS --> VCR	
		A46	3501R-8510E	O	BOARD ASSEMBLY	VCR VC663M VCR MAIN	
		A46A	6885R-1101P	O	SUB PWB(PCB) ASSEMBLY	5553004C100504 FF 090810033D	
		A48	6871R-8511B	O	PWB(PCB) ASSEMBLY,TOTAL	VC663M HA1UZZ POWER	
		A49	3501R-9901A	O	BOARD ASSEMBLY	VCR VC693M HA1UZZ	
			PARTS SECTION				
		250	3110R-V004C	O	CASE	(COMBI-2) PRESS J597G(ZENITH)-	
		260	3210R-V002A	O	FRAME	COMBI-2 MOLD 403AF-BK	NSP
		275	4930R-0102A	O	HOLDER	LED	
		276	4930R-0298B	O	HOLDER	VCR - TIMER PWB(D+V-RIB CUTTIN	
		285	3580R-T049C	O	DOOR,CASE	VCR DC596M TRAY (EVNT)	
⚠		300	6410RAHX02A	O	POWER CORD	SP-120P/JL001 CHAUS/JULIAN UL/	
		323	3111R-0089B	O	CASE ASSY	PRE-AMP (PBSB-SH)	
		330	3140R-V001A	O	CHASSIS	COMBI-2 PRESS RCA TYPE	
			SCREW				
		452	353-051A	O	SCREW	SPECIAL	
		465	353-046K	O	SCREW	SPECIAL (3X10 B.K)	
		457	353-051E	O	SCREW	SPECIAL (3X12)	
		467	353-051G	O	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FN TB ROUN	
		PACKING & ACCESSORY SECTION					
		801	3835RM0056U	O	INSTRUCTION ASSEMBLY	VCR VC693M.HA1UZZ ZENITH DVD+V	
		802	3890R-H813G	O	BOX	VC693M HA1UZZ SWM3-A 1.297 4 O	
		803	3920R-E076A	O	PACKING,CASING	VC69_S 0.02 100 EPS 4 1 1	
		804	292-053E	O	BAG	V3	NSP
		808	841-0021	O	BATTERY,MN	ER03X HI WATT 1.5V .MA/H AAA	
		806	6850R-CAA81	O	CABLE,COAXIAL	RF CABLE NTSC PLUG ALL STILL H	
		810	6851R-0032B	O	CABLE ASSEMBLY	1WAY(Y) + 2WAY(R/W) 1.8M + RF-	
		811	6611R1D003A	O	PLUG ASSEMBLY	1WAY RC1-18RRBS1-0 FREE OF CD	
		812	6611R2D003A	O	PLUG ASSEMBLY	2WAY RC2-18RRBS1-0 FREE OF CD_	
		900	6711R1N112A	O	REMOTE CONTROLLER ASSEMBLY	N8 VC673M NA1UZZ ZENITH	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
VCR SIDE							
	A46 (BOARD ASSEMBLY)						
		A46	3501R-8510E	O	BOARD ASSEMBLY	VCR VC663M VCR MAIN	
		C301	0CQ2232L559	O	CAPACITOR,POLYESTER	0.022UF S 63V K PP NI TP5	
		C302	0CE4765K618	O	CAPACITOR,AL.ELECTROLYTIC	47UF SR,SV 50V M FL TP 5	
		C303	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C304	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C305	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C306	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C308	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C310	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C311	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C312	0CE3364F638	O	CAPACITOR,ELECTROLYTIC	33M SRA 16V M FM5 TP(5)	
		C313	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C314	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C315	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C316	0CH1222K516	O	CHIP CAPA CERAMIC M/L H.D F/S	2200P 50V K B 2.0X1.25 R/TP	
		C317	0CH1821K516	O	CAPACITOR,FIXED CERAMIC(Temp.c	820PF 50V 10% B(5YP) 2012 R/TP	
		C318	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C319	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C320	0CH4391K416	O	CAPACITOR,CHIP[CERAMIC M/L TC	390PF 50V J NP0 2012 R/TP	
		C321	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C322	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP	
		C323	0CH4101K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP	
		C324	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C325	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C327	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C328	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C329	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C330	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C331	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C332	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C333	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C334	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C335	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C336	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C337	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C338	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C339	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C340	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C341	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C342	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C343	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C344	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C346	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C347	0CH1473K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.047U 50V K X7R 2.0X1.2 R/TP	
		C348	0CH1473K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.047U 50V K X7R 2.0X1.2 R/TP	
		C349	0CH1333K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.0330UF 50V K X7R(X) 2012 R/T	
		C350	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C351	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C354	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C355	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C360	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C500	0CE4775C638	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		C501	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C502	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C503	0CE2274C638	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C504	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C505	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		C508	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C511	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C514	0CH4240K416	O	CAPACITOR,CHIP[CERAMIC M/L TC	24PF 50V J NP0 2012 R/TP	
		C515	0CH4270K416	O	CHIP CAPA CERAMIC M/L T.C F/S	27P 50V J COG 2.0X1.2 R/TP	
		C519	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C520	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C525	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C526	0CE4765K618	O	CAPACITOR,AL.ELECTROLYTIC	47UF SR,SV 50V M FL TP 5	
		C531	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C534	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C535	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C542	0CH4681K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	680PF 50V J NP0 2012 R/TP	
		C543	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C544	0CH1473K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.047U 50V K X7R 2.0X1.2 R/TP	
		C545	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C546	0CE4764H638	O	CAPACITOR,FIXED ELECTROLYTIC	47M SRA 25V M FM5 TP(5)	
		C551	0CH1333H516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.033U 25V K B 2.0X1.25 R/TP	
		C552	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C561	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C566	0CH4102K416	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C567	0CH4102K416	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C568	0CH4102K416	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C569	0CH4102K416	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C570	0CH4180K416	O	CHIP CAPA CERAMIC M/L T.C F/S	18P 50V J C 2.0X1.2 R/TP	
		C571	0CH4180K416	O	CHIP CAPA CERAMIC M/L T.C F/S	18P 50V J C 2.0X1.2 R/TP	
		C572	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C573	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C574	0CH4102K416	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C577	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C578	0CE2274C638	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C579	0CE2274C638	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C580	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C581	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C582	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C583	0CH4102K416	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C584	0CE4764C638	O	CAPACITOR,ELECTROLYTIC	47M SRA 6.3V M FM5 TP(5)	
		C585	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C586	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C588	0CH4102K416	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C589	0CH4221K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	220P 50V J 2.0X1.25 R/TP	
		C590	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C592	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C593	0CH4471K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	470P 50V J 2.0*1.25 R/TP	
		C594	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C595	0CH4120K416	O	CHIP CAPA CERAMIC M/L T.C F/S	12P 50V NPO 2.0X1.25 R/TP	
		C596	0CH4180K416	O	CHIP CAPA CERAMIC M/L T.C F/S	18P 50V J C 2.0X1.2 R/TP	
		C597	0CH4681K416	O	CAPA,CHIP CERAMIC M/L T.C F/S	680PF 50V J NP0 2012 R/TP	
		C598	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C599	0CH1223K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C5L1	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C601	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C602	0CE1074F638	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C603	0CE4775C638	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		C604	0CE1074F638	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C606	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C607	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C608	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C609	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C610	0CE1074C638	O	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 6.3V 20% FM5 TP 5	
		C611	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		C612	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C613	0CE4775C638	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		C614	0CE2274C638	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C701	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C702	0CE2274C638	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C703	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C704	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C706	0CH4300K416	O	CHIP CAPA CERAMIC M/L T.C F/S	30P 50V J CH 2.0X1.2 R/TP	
		C707	0CH4300K416	O	CHIP CAPA CERAMIC M/L T.C F/S	30P 50V J CH 2.0X1.2 R/TP	
		C708	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C731	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C751	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C752	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C801	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C803	0CH1102K516	O	CHIP CAPA CERAMIC M/L H.D F/S	1000P 50V K B 2.0X1.25 R/TP	
		C804	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		C806	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C807	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C808	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C816	0CE2254K638	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C821	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C822	0CH1222K516	O	CHIP CAPA CERAMIC M/L H.D F/S	2200P 50V K B 2.0X1.25 R/TP	
		C823	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C825	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C826	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C827	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C828	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C829	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C830	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C831	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C832	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C833	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C834	0CH1472K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	4700P 50V K B 2.0*1.25 R/TP	
		C836	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C838	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C839	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C840	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C841	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C842	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C843	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C844	0CH1472K516	O	CAPA,CHIP CERAMIC M/L H.D F/S	4700P 50V K B 2.0*1.25 R/TP	
		C845	0CH1103K516	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C846	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C847	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C848	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C849	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C851	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C853	0CH1102K516	O	CHIP CAPA CERAMIC M/L H.D F/S	1000P 50V K B 2.0X1.25 R/TP	
		C854	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		C866	0CE2254K638	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C871	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C872	0CH4560K416	O	CHIP CAPA CERAMIC M/L T.C F/S	56P 50V J NPO 2.0X1.25 R/TP	
		C873	0CE2254K638	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C874	0CH1105F946	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C875	0CH1333K566	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.0330UF 50V K X7R(X) 2012 R/T	
		C876	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C877	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C878	0CH4560K416	O	CHIP CAPA CERAMIC M/L T.C F/S	56P 50V J NPO 2.0X1.25 R/TP	
		C879	0CE2254K638	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C880	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		C881	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C882	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C883	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C884	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C885	0CH1104K946	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C886	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C887	0CE3354K638	O	CAPACITOR,FIXED ELECTROLYTIC	3.3UF SRA,SS 50V 20% FM5 TP 5	
		C888	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C889	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		CS501	6600M000026	O	SWITCH,PUSH	MPU12970MLB0 VCR CST IN S/W MI	
		D802	0DS141489BB	O	DIODE,SWITCHING	1N4148 26MM TP GRANDE DO34 75V	
		ES501	4931R-0050A	O	HOLDER ASSY	END	
		ES502	4931R-0050A	O	HOLDER ASSY	END	
		F601	6200HJC901A	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F602	6200HJC901A	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F603	6200HJC901A	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		FL301	633-032K	O	COIL,IFT	BIAC OSC,1CHIP 5V(KS-75M) KWAN	
		IC301	0ILNRSA012A	O	IC,LINEAR	LA71206M-MPB SANYO 80PIN QFP T	
		IC302	0IJR223400D	O	IC,JRC	NJM2234L SIP8 ST S/W IC(3INPUT	
		IC501	0IMCRMI051B	O	IC,MICRO CONTROLLER	M37762MCA-1K5GP MITSUBISHI 100	
		IC504	0IKE703100A	O	IC,KEC	KIA7031P 3P 3.1V RESET(TAPING)	
		IC505	0IKE704200B	O	IC,KEC	KIA7042P 3P 4.2V RESET(TAPING)	
		IC601	0IPRPMT002A	O	IC,PERIPHERALS	MM1510XNRE MITSUMI 6,SOT-26A R	
		IC602	0IPRPMT006A	O	IC,PERIPHERALS	MM1225XFBE MITSUMI 8PIN SOP R/	
		IC801	0ILNRSA013A	O	IC,LINEAR	LA72670M-MPB SANYO 80PIN QFP T	
		J502	874-000T	O	WIRE COPPER TIN COATED	D=0.6 ROLL	
		J503	874-000T	O	WIRE COPPER TIN COATED	D=0.6 ROLL	
		J802	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		JK601	6612J00025E	O	JACK,RCA	RCA/DIN-36(SILVER) YUQIU	
		JK603	6612K00003B	O	JACK,FIBER OPTIC	PLT131/T5/12(12MBPS) EVERLIGHT	
		L301	0LR1000K035	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L303	0LR1000K035	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L305	0LR0102K035	O	INDUCTOR RADIAL LEAD	10M K 6X6 L5 TP	
		L501	0LR1000K035	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L510	0LR0682K035	O	INDUCTOR RADIAL LEAD	68M K 6X6 L5 TP	
		L511	0LR0221J0N5	O	INDUCTOR,RADIAL LEAD	2.2UH 5% TP 3X5 TR5	
		L512	0LR1000K035	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L601	0LA0101K018	O	INDUCTOR AXIAL LEAD	1.0M K 2.3X3.4 L5 TP	
		L706	0LR0102K035	O	INDUCTOR RADIAL LEAD	10M K 6X6 L5 TP	
		LD501	4931R-0017A	O	HOLDER ASSY	LED	
		MS501	6600JB8005B	O	SWITCH,MODE	NON 5V 1MA VERTICAL -G	
		Q301	0TR150409AC	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q302	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q303	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q304	0TR320309AA	O	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	
		Q305	0TR127309AA	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q306	0TR150409AC	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q307	0TR150409AC	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q308	0TR127309AA	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q309	0TR103009AA	O	TRANSISTOR	CHIP KRC103S-T1(NC)22-22 KEC	
		Q310	0TR103009AC	O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q501	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q503	0TR127309AA	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q504	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q505	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q506	0TR103009AA	O	TRANSISTOR	CHIP KRC103S-T1(NC)22-22 KEC	
		Q507	0TR150409AC	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q601	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q602	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q701	0TR320309AA	O	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		Q702	0TR320309AA	O	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	
		Q805	0TR387509AC	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		R301	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R302	0RH2702D622	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R303	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R304	0RH2201D622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R305	0RH5600D622	O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 10 W 2012 5.00% D	
		R306	0RH0472D622	O	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 10 W 2012 5.00% D	
		R307	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R308	0RH0221D622	O	RESISTOR,METAL GLAZED(CHIP)	2.2 OHM 1 / 10 W 2012 5.00% D	
		R309	0RH2202D622	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R310	0RH2201D622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R311	0RH3301D622	O	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 10 W 2012 5.00% D	
		R312	0RH3901D622	O	RESISTOR,METAL GLAZED(CHIP)	3.9K OHM 1 / 10 W 2012 5.00% D	
		R313	0RH1801D622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R317	0RH8201D622	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 10 W 2012 5.00% D	
		R318	0RH3303D622	O	RESISTOR,METAL GLAZED(CHIP)	330K OHM 1 / 10 W 2012 5.00% D	
		R319	0RH1202D622	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 10 W 2012 5.00% D	
		R320	0RH1500D622	O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 10 W 2012 5.00% D	
		R321	0RH2702D622	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R322	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R324	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R325	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R326	0RH1502D622	O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 10 W 2012 5.00% D	
		R327	0RH6801D622	O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 10 W 2012 5.00% D	
		R328	0RH1501D622	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 10 W 2012 5.00% D	
		R331	0RH2201D622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R332	0RH1801D622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R333	0RH1201D622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 10 W 2012 5.00% D	
		R335	0RH8201D622	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 10 W 2012 5.00% D	
		R336	0RH1202D622	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 10 W 2012 5.00% D	
		R337	0RH2202D622	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R338	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R339	0RH1802D622	O	RESISTOR,METAL GLAZED(CHIP)	18K OHM 1 / 10 W 2012 5.00% D	
		R340	0RH1501D622	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 10 W 2012 5.00% D	
		R341	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R342	0RH4700D622	O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 10 W 2012 5.00% D	
		R344	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R345	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R346	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R348	0RH2202D622	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R349	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R501	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R502	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R504	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R505	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R506	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R507	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R508	0RH2702D622	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R509	0RH6800D622	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 10 W 2012 5.00% D	
		R510	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R511	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R512	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R514	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R515	0RH2700D622	O	RESISTOR,METAL GLAZED(CHIP)	270 OHM 1 / 10 W 2012 5.00% D	
		R517	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R518	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R519	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R520	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R521	0RH2701D622	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		R522	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R523	0RH5601D622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 10 W 2012 5.00% D	
		R524	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R525	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R526	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R528	0RH2701D622	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R529	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R530	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R531	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R533	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R534	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R535	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R536	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R537	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R538	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R539	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R540	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R541	0RH2201D622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R542	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R543	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R544	0RH1003D622	O	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 10 W 2012 5.00% D	
		R545	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R546	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R547	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R548	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R550	0RH2200D622	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R553	0RH2200D622	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R554	0RH1004D622	O	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 10 W 2012 5.00% D	
		R555	0RH2200D622	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R556	0RH2202D622	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R557	0RH2702D622	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R558	0RH2202D622	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R563	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R564	0RH2702D622	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R566	0RH2701D622	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R569	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R570	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R571	0RH2200D622	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R575	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R576	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R577	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R578	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R579	0RH5602D622	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R580	0RH1202D622	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 10 W 2012 5.00% D	
		R581	0RH2201D622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R582	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R583	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R586	0RH1801D622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R587	0RH1801D622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R588	0RH2701D622	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R589	0RH1501D622	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 10 W 2012 5.00% D	
		R591	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R592	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R593	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R594	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R595	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R596	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R597	0RH2201D622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R598	0RH1201D622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 10 W 2012 5.00% D	
		R599	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		R5C6	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R601	0RH0752D622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 10 W 2012 5.00% D	
		R602	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R603	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R608	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R610	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R611	0RH0222D622	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 10 W 2012 5.00% D	
		R612	0RH0222D622	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 10 W 2012 5.00% D	
		R613	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R625	0RH0752D622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 10 W 2012 5.00% D	
		R626	0RH8202D622	O	RESISTOR,METAL GLAZED(CHIP)	82K OHM 1 / 10 W 2012 5.00% D	
		R627	0RH8202D622	O	RESISTOR,METAL GLAZED(CHIP)	82K OHM 1 / 10 W 2012 5.00% D	
		R628	0RH0752D622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 10 W 2012 5.00% D	
		R702	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R703	0RH3901D622	O	RESISTOR,METAL GLAZED(CHIP)	3.9K OHM 1 / 10 W 2012 5.00% D	
		R706	0RH6800D622	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 10 W 2012 5.00% D	
		R707	0RH6800D622	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 10 W 2012 5.00% D	
		R708	0RH3302D622	O	RESISTOR,METAL GLAZED(CHIP)	33K OHM 1 / 10 W 2012 5.00% D	
		R711	0RH1001D622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R751	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R752	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R801	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R802	0RH4702D622	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R804	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R805	0RH4702D622	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R806	0RH7501D622	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R807	0RH5602D622	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R808	0RH2202D622	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R809	0RH1800D622	O	RESISTOR,METAL GLAZED(CHIP)	180 OHM 1 / 10 W 2012 5.00% D	
		R810	0RH1801D622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R811	0RH5602D622	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R812	0RH7501D622	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R813	0RH5602D622	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R814	0RH7501D622	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R817	0RH1502D622	O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 10 W 2012 5.00% D	
		R818	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R821	0RH1002D622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R822	0RH1003D622	O	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 10 W 2012 5.00% D	
		R823	0RH4702D622	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R835	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R836	0RH4700D622	O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 10 W 2012 5.00% D	
		R837	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R838	0RH2701D622	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R839	0RH3902D622	O	RESISTOR,METAL GLAZED(CHIP)	39K OHM 1 / 10 W 2012 5.00% D	
		R840	0RH0000D622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R842	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R843	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R844	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R845	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R851	0RH1000D622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R856	0RH7501D622	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R857	0RH5602D622	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R858	0RH4702D622	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R866	0RH4702D622	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R867	0RH1502D622	O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 10 W 2012 5.00% D	
		R874	0RH4701D622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		RS501	6500RAB003A	O	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		RS502	6500RAB003A	O	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		SW601	6600R-SH18A	O	SWITCH,TACT	CSS-4206 CHANGSHIN DC 30 V 10	
		TU701	6700NFNL04A	O	TUNER	TADM-H102F(US,LGIT) LG INOTEK	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		X501	6212AC2327E	O	RESONATOR,CRYSTAL	C-001R SEIKO EPSON 32.768 KHZ	
		X502	6202R1143DC	O	RESONATOR,CRYSTAL	H49U BUBANG 14-31818HZ 25PPM 1	
		ZD501	0DZ560009CJ	O	DIODE,ZENERS	GDZJ5.6B 26MM GRANDE TP26 DO34	
		ZD502	0DZ560009CJ	O	DIODE,ZENERS	GDZJ5.6B 26MM GRANDE TP26 DO34	
		ZD751	0DZ102609BB	O	DIODE,ZENER	UZ-10BSB 26MM TP PYUNG CHANG D	
		ZD752	0DZ562609BA	O	DIODE,ZENER	GDZJ5.6C 26MM TP GRANDE DO34	
	A49 (BOARD ASSEMBLY)						
		A49	3501R-9901A	O	BOARD ASSEMBLY	VCR VC693M HA1UZZ	
		C601	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C6G1	0CE4775C638	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		C6G2	0CE4775C638	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		IC601	0ILNRPY001A	O	IC,LINEAR	PT6955 PTC 24P SOP ST LED DRIV	
		L601	0LR4700K035	O	INDUCTOR RADIAL LEAD	470M K 6X6 L5 TP	
		LD601	6301R2U008B	O	LED ASSEMBLY	TOS-3664AGMGMRMY-B OASIS UNIVE	
		R604	0RD5602F608	O	RESISTOR,FIXED CARBON FILM	56K OHM 1/6 W 5% TA26	
		R605	0RD3300F608	O	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R611	0RD6800F608	O	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R612	0RD8200F608	O	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5% TA26	
		R613	0RD1201F608	O	RESISTOR,FIXED CARBON FILM	1.2K OHM 1/6 W 5% TA26	
		R614	0RD1501F608	O	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R615	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R616	0RD3301F608	O	RESISTOR,FIXED CARBON FILM	3.3K OHM 1/6 W 5% TA26	
		R617	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R618	0RD6800F608	O	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R619	0RD8200F608	O	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5% TA26	
		R620	0RD2701F608	O	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		RC601	6712R0838GA	O	REMOTE CONTROLLER RECEIVER	TSOP1238UQ1 VISHAY(TEMIC) 37-9	
		SW601	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW602	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW603	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW604	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW605	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW606	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW607	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW611	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW612	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW613	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
	A42 (BOARD ASSEMBLY)						
		A42	3501R-9902A	O	BOARD ASSEMBLY	VCR VC693M HA1UZZ	
		C611	0CN1020K518	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C612	0CN1020K518	O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		JK601	6612JH003AC	O	JACK,RCA	BJP-113D BAE EUN YELLOW	
		JK602	6612JH003AB	O	JACK,RCA	BJP-113C BAE EUN WHITE	
		JK603	6612JH003AA	O	JACK,RCA	BJP-113B BAE EUN RED	
		L602	0LA1000K018	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L603	0LA1000K018	O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		LED601	0DL112000AJ	O	DIODE,LED	DL-11S2RNS(SUPER,RED,03)KOC	
		LED602	0DL112000AJ	O	DIODE,LED	DL-11S2RNS(SUPER,RED,03)KOC	
		Q601	0TR103009AE	O	TRANSISTOR,BIPOLARS	KRC103M(KRC1203) KEC TP TO92M	
		Q602	0TR103009AE	O	TRANSISTOR,BIPOLARS	KRC103M(KRC1203) KEC TP TO92M	
		R621	0RD1501F608	O	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R622	0RD1201F608	O	RESISTOR,FIXED CARBON FILM	1.2K OHM 1/6 W 5% TA26	
		R630	0RD1500F608	O	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5% TA26	
		R631	0RD1500F608	O	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5% TA26	
		R641	0RD0752F608	O	RESISTOR,FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		SW608	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW614	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW615	556-219B	O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
	A48 PWB(PCB) ASSEMBLY,TOTAL						
		A48	6871R-8511B	O	PWB(PCB) ASSEMBLY,TOTAL	VC663M HA1UZZ POWER	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		BD01	636-004C	O	FILTER(CIRC),EMC	BEAD CORE BFS3550R2FD8,R T/P	
		BD02	636-004C	O	FILTER(CIRC),EMC	BEAD CORE BFS3550R2FD8,R T/P	
		BD101	0DD160000DA	O	DIODE	S1WBA60(1A 600V) SHIDENKEN	
⚠		C101	624-088S	O	CAPACITOR,DRAWING	MPX104K ETR/EUROPTRONIC BULK	
⚠		C102	624-088S	O	CAPACITOR,DRAWING	MPX104K ETR/EUROPTRONIC BULK	
		C103	0CE157CR610	O	CAPACITOR,AL.ELECTROLYTIC	150UF SHL,SD 250V M FL BULK	
		C105	0CQ1031Y519	O	CAPACITOR,POLYESTER	0.01UF D 630V K PE NI TP	
		C106	624-087B	O	CAPACITOR	HIGH-VOL 100P/1KV SMPS SAMHWA	
		C107	0CE1054K638	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C108	0CE336BH638	O	CAPACITOR,ELECTROLYTIC	33UF KME 25V M FM5 TP5	
		C109	0CN223AK948	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
⚠		C110	0CG1020U630	O	CAPACITOR,SEMI CERAMIC	1000PF 400V M E(Z5U) R	
⚠		C111	0CG2220U630	O	CAPACITOR,SEMI CERAMIC	2200 PF 400V M E R (NK,AD,SD)	
		C123	0CE477BH630	O	CAPACITOR,AL.ELECTROLYTIC	470UF KME TYPE 25V M FM5 BULK	
		C126	0CE2276H638	O	CAPACITOR,FIXED ELECTROLYTIC	220UF SMS,SG 25V 20% FM5 TP 5	
		C127	0CE108BF630	O	CAPACITOR,FIXED ELECTROLYTIC	1000UF KME 16V M FM5 BULK	
		C128	0CE3376D638	O	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5	
		C129	0CE228BF630	O	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C131	624-082H	O	CAPACITOR	CE 1000UF/10V SHL(10*12.5)T/P	
		C132	624-085D	O	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C133	0CQ1042K409	O	CAPACITOR,FIXED FILM	0.1UF S 50V J PE TP	
		C151	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C152	0CE4754K638	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C153	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C154	0CE1074F638	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C155	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C159	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C161	0CE4764C638	O	CAPACITOR,ELECTROLYTIC	47M SRA 6.3V M FM5 TP(5)	
		C163	624-087H	O	CAPACITOR	HIGH-VOL 220PF/1KV CERAMIC	
		D101	0DD221009AA	O	DIODE,RECTIFIERS	ERA22-10 KFLB,TP ,R T/P,FUJI	
		D102	0DD010009AC	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D110	0DR302000AB	O	DIODE,RECTIFIER	HER302 BK RECTRON DO201AD 100V	
		D111	0DR158220AA	O	DIODE,RECTIFIER	1N5822 BK RECTRON DO201AD 40V	
		D112	0DR158220AA	O	DIODE,RECTIFIER	1N5822 BK RECTRON DO201AD 40V	
		D113	0DD010009AC	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D114	0DR104009AB	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D115	0DR104009AB	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D121	0DS141489BB	O	DIODE,SWITCHING	1N4148 26MM TP GRANDE DO34 75V	
⚠		F101	0FS1601B51B	O	FUSE,SLOW BLOW	1600MA 250 V 5.2X20 CY/GL KS /	
⚠		IC101	0IPMGFF001A	O	IC,POWER MANAGEMENT	ICE2B265 INFINEON 8 DIP ST SMP	
⚠		IC102	657-063A	O	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)	
		IC103	0ISS431000A	O	IC,SAMSUNG ELECTRONICS	KA431AZ (LM431AZ)	
		IC151	0IPMGKE008B	O	IC,POWER MANAGEMENT	KIA78R08PI CU KEC 4P TO-220IS	
		IC152	0IPMGKE022B	O	IC,POWER MANAGEMENT	KIA278R33PI-CU KEC 4PIN TO-220	
⚠		L102	616-145P	O	FILTER(CIRC),DRAWING	LFSQ2215V4-04220B SAMWAH TECOM	
		L122	633-088G	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		L123	633-088G	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		L124	633-088G	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		Q156	0TR320509AB	O	TRANSISTOR	KTC3205-TP-Y (KTC2236A)KEC	
		Q160	0TR127309AA	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q161	0TR126809BA	O	TRANSISTOR,BIPOLARS	KTA1268-BL TP KEC	
		Q162	0TR319809AC	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		R100	0RD1504H632	O	RESISTOR,FIXED CARBON FILM	1.5M OHM 1/2 W 5.00% MF10	
		R101	614-007A	O	RESISTOR	2.7/2W CEMENT SMPS V	
		R104	0RS5602K619	O	RESISTOR,FIXED METAL OXIDE FIL	56K OHM 2 W 5.00% TR	
		R105	0RD0222F608	O	RESISTOR,FIXED CARBON FILM	22 OHM 1/6 W 5% TA26	
		R106	0RD0222F608	O	RESISTOR,FIXED CARBON FILM	22 OHM 1/6 W 5% TA26	
		R107	0RS0350K619	O	RESISTOR,FIXED METAL OXIDE FIL	0.35 OHM 2 W 5.00% TR	
		R112	0RD2200F608	O	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R113	0RD2201F608	O	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		R114	0RD1001F608	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R115	0RN3301F408	O	RESISTOR,FIXED METAL FILM	3.3K OHM 1/6 W 1% TA26	
		R116	0RN2701F408	O	RESISTOR,FIXED METAL FILM	2.7K OHM 1/6 W 1% TA26	
		R117	0RD2700F608	O	RESISTOR,FIXED CARBON FILM	270 OHM 1/6 W 5% TA26	
		R119	0RD1003F608	O	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R131	0RD2203F608	O	RESISTOR,FIXED CARBON FILM	220K OHM 1/6 W 5% TA26	
		R132	0RD2203F608	O	RESISTOR,FIXED CARBON FILM	220K OHM 1/6 W 5% TA26	
		R153	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R154	0RD1001F608	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R155	0RD1802F608	O	RESISTOR,FIXED CARBON FILM	18K OHM 1/6 W 5% TA26	
		R156	0RD1002F608	O	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R157	0RD1001F608	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R158	0RD3300F608	O	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R159	0RD3300F608	O	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R163	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R164	0RD4701F608	O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R170	0RD1002F608	O	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R171	0RD1001F608	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
⚠		T101	6170RNGW12A	O	TRANSFORMER,SMPS[COIL]	EER3530 SOOJUNG WIDE EER3530	
⚠		V101	656-004C	O	VARISTOR,DRAWING	SVC681D-10A SAMHWA 4.O CUT	
		ZD103	0DZ132609AB	O	DIODE,ZENER	GDZJ13A 26MM TP GRANDE DO34 0	
		Q162	0TR319909AF	O	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
DVD SIDE(NS MODEL)							
	A46A (SUB PWB(PCB) ASSEMBLY)						
		A46A	6885R-1101P	O	SUB PWB(PCB) ASSEMBLY	5553004C100504 FF 090810033D	
		C201	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C202	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C203	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C204	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C205	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C206	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C207	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C208	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C209	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C210	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C211	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C212	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C213	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C214	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C215	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C216	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C224	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C225	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C226	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C229	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C230	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C231	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C232	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C238	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C239	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C240	0CH1222K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP	
		C242	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C245	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C251	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C252	0CH4100K112	O	CHIP CAPA CERAMIC M/L T.C F/S	10P 50V D COG 1.6X0.8 R/TP	
		C253	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C254	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C255	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C258	0CH1105D942	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C261	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		C262	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C263	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C264	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C265	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C272	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C273	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C274	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C277	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C278	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C279	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C280	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C281	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C282	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C284	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C285	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C286	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C287	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C288	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C289	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C290	0CH4180K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C291	0CH4180K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C292	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C293	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C294	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C295	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C296	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C297	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C298	0CE4775C638	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	
		C299	0CH4220K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	22P 50V J COG 1.6X0.8 R/TP	
		C2A0	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2A3	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A4	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2A5	0CH1683F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2A6	0CH1102K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2A7	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A8	0CH1152K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2A9	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2B3	0CH1392K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C2B4	0CH1683F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2B5	0CH1333K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.033UF 50V K X7R(X) 1508 R/TP	
		C2B9	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C1	0CH1103K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C2C2	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2C4	0CH1102K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C5	0CH1332K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP	
		C2C6	0CH1102K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C8	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C9	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D0	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D1	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D2	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D3	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D4	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D5	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D6	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D7	0CH1152K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2D9	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2E1	0CH4470K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E2	0CH4470K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E3	0CH4470K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		C2E4	0CH4470K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2M1	0CE1074F638	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C2M2	0CH1682K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	6800P 50V K X7R 1.6X0.8 R/TP	
		C2M3	0CH1472K562	O	CAPACITOR,CHIP[CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP	
		C2M4	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M5	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M6	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M7	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M8	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M9	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N1	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N3	0CH1223K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.022UF 50V Z Y5V(F) 1508 R/TP	
		C2N4	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C301	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C302	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C303	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C304	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C305	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C306	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C308	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C309	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C314	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C316	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C317	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C318	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C319	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C320	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C321	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C323	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C324	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C3F1	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C3F2	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C3F3	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C401	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C402	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C403	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C404	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C405	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C406	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C408	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C409	0CE2274C638	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C410	0CH4271K412	O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C411	0CH1102K512	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C412	0CH4271K412	O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C413	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C414	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C415	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C416	0CH1102K512	O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C417	0CH4271K412	O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C418	0CH1392K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C419	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C420	0CH1392K562	O	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C421	0CE2264F638	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C422	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C423	0CH4271K412	O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C424	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C425	0CH1104K942	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C501	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C502	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C503	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		C504	0CE1064F638	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C506	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C507	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C508	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C509	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C510	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C511	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C512	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C513	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C514	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C515	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C516	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C517	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C518	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C519	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C520	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C521	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C522	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C523	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C525	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C526	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C527	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C528	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C529	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C530	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C531	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C532	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C533	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C534	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C535	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C536	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C538	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C540	0CH4220K412	O	CAPA,CHIP CERAMIC M/L T.C F/S	22P 50V J COG 1.6X0.8 R/TP	
		C541	0CH4270K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C542	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C543	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C544	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C546	0CH4221K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C549	0CH4221K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C550	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C553	0CH4221K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C554	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C555	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C556	0CH4101K412	O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C557	0CH4270K412	O	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C558	0CH1104F942	O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C559	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C560	0CH1225F944	O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C561	0CE4764F638	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		D201	0DR495009AA	O	DIODE,RECTIFIER	RB495D TP ROHM SMD 40V 400A 2A	
		D2A1	0DS202009CA	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A2	0DS202009CA	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A3	0DS202009CA	O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D401	0DSRM00118A	O	DIODE,SWITCHING	DAP202K T146 ROHM R/TP SMD 80V	
		IC201	0ILNRHY002B	O	IC,LINEAR	HDC25D811B HYUNDAI 208 QFP TRA	
		IC203	0IEB121616B	O	IC,ELITE MEMORY TECHNOLOGY	M12L16161A-7T-L 50PIN TSOP TRA	
		IC206	GITO704000F	O	IC,TOSHIBA	TC7W04FU	
		IC2A1	0ILNRHI003A	O	IC,LINEAR	HD153702TF HITACHI 64 TQFP TRA	
		IC2A2	0IJR341400C	O	IC,JRC	NJM3414AM-TE1,3K/REEL. JRC	
		IC2A4	0IKE393000G	O	IC,KEC	KIA393F-EL FLP-8 TP DUAL COMPA	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		IC2M1	0ILNRFA013A	O	IC,LINEAR	FAN8004 FAIRCHILD 48 QFP TRAY	
		IC301	0ICTMHY011A	O	IC,CUSTOMIZED	HS353106 HYNIX 100 TQFP TRAY C	
		IC305	0IMMRHY025A	O	IC,MEMORIES	HY57V643220CT-7 HYUNDAI 86P TS	
		IC3F1A	6957R-254AJ	O	PROGRAM	COMBI DVD MODULE : ZV600210	
		IC401	0IPRPCI003B	O	IC,PERIPHERALS	CS4391-KZR CIRRUS LOGIC 20 TSS	
		IC402	0IJR458000B	O	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC501	0INS860100A	O	IC,NATIONAL SEMICONDUCTOR	NDV8601 240 VQFP BK MICOM+MPEG	
		IC502	0IMMRCB001A	O	IC,MEMORIES	CAT93C56S-TE13 CRYSTAL SEMICON	
		IC503	0IFA742440F	O	IC,FAIRCHILD	MM74HCT244SJ 20P SOIC TP 3-STA	
		IC506	0IPMGA7001A	O	IC,POWER MANAGEMENT	AMC1117-1.8SJ ADD MICROTECH 3P	
		L201	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L206	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L207	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L208	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A1	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A2	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L301	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L302	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L3F1	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L501	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L502	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L503	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L504	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L505	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L506	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L507	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L508	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L509	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L510	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L511	6200HJC102A	O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		Q2A1	0TR150409AC	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q2A2	0TR150409AC	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q2A5	0TR388209AA	O	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2A6	0TR388209AA	O	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2M1	0TR103009AA	O	TRANSISTOR	CHIP KRC103S-T1(NC)22-22 KEC	
		Q401	0TR150409AC	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q404	0TR103009AC	O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q405	0TR103009AC	O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		R201	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R202	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R203	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R204	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R207	0RH1004C622	O	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R217	0RH0102C622	O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R218	0RH4700C622	O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R219	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R220	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R230	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R231	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R232	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R233	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R234	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R235	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R236	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R237	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R239	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R240	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R241	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R242	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R243	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		R252	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R269	0RH0222C622	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R273	0RH1501C622	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R274	0RH6200C622	O	RESISTOR,METAL GLAZED(CHIP)	620 OHM 1 / 16 W 1608 5.00% D	
		R275	0RH1501C622	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R276	0RH9100C622	O	RESISTOR,METAL GLAZED(CHIP)	910 OHM 1 / 16 W 1608 5.00% D	
		R277	0RH1500C622	O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R278	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R279	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R281	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R290	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R291	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R292	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2A1	0RH0912C622	O	RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2A2	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2A6	0RH1202C622	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2A9	0RH5602C622	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 16 W 1608 5.00% D	
		R2B0	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B1	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B2	0RH0182C622	O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B3	0RH0182C622	O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B4	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2B5	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B6	0RH0182C622	O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B7	0RH0182C622	O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B8	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2C0	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C4	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C5	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C6	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C7	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C8	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C9	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D0	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D1	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D2	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D3	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D4	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D5	0RH6801C622	O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R2D6	0RH0912C622	O	RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2E6	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2E7	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2E8	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2F1	0RH2200C622	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F2	0RH2200C622	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F3	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F4	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F5	0RH2202C422	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 1.00% D	
		R2F6	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F7	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F8	0RH2201C622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2F9	0RH2201C622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G1	0RH2201C622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G2	0RH2201C622	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G3	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G4	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G7	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2G9	0RH1500C622	O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R2M1	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M2	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		R2M3	0RH7501C622	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R2M5	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M6	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M7	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M8	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M9	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N0	0RH1202C622	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2N1	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N2	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2N3	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N4	0RH1502C622	O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R2N5	0RH1202C622	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2N6	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N7	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N8	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N9	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P0	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2P1	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P2	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P3	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P7	0RH2202C622	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		R2P8	0RH1201C622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R2P9	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2Q1	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2R1	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2R2	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R303	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R306	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R307	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R308	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R309	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R310	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R315	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R317	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R318	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R319	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R320	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R321	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R322	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R323	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R364	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R365	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R366	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R367	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R368	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R369	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F1	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F2	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R3F3	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F4	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F5	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R401	0RH0182C622	O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R403	0RH0102C622	O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R404	0RH6801C622	O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R405	0RH1801C622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R406	0RH1801C622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R407	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R409	0RH6801C622	O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R410	0RH6801C622	O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R411	0RH6801C622	O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	DESCRIPTION	SPECIFICATION	REMARKS
		R412	0RH1801C622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R413	0RH8201C622	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R414	0RH5601C622	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R415	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R416	0RH8201C622	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R417	0RH1801C622	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R418	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R419	0RH3300C622	O	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R420	0RH3300C622	O	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R428	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R429	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R430	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R431	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R432	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R433	0RH5600C622	O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R434	0RH5600C622	O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R435	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R436	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R437	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R438	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R439	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R440	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R441	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R501	0RH3301C622	O	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R502	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R503	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R504	0RH1500C422	O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 1.00% D	
		R505	0RH0102C622	O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R506	0RH1001C422	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 1.00% D	
		R507	0RH1100C622	O	RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R508	0RH0752C622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R509	0RH1100C622	O	RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R510	0RH0222C622	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R514	0RH0222C622	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R515	0RH0222C622	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R516	0RH1000C622	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R520	0RH0222C622	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R521	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R522	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R523	0RH4701C622	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R524	0RH1001C622	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R525	0LC0233002B	O	INDUCTOR,CHIP	HB-1S1608-800JT CERATECH R/TP	
		R530	0RH1201C622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R531	0RH1201C622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R532	0RH1201C622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R533	0RH1201C622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R534	0RH6800C622	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R535	0RH1201C622	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R541	0RH1002C622	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R588	0RH0752C622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R589	0RH0752C622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R590	0RH0752C622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R591	0RH0752C622	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R592	0RH0000C622	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		X201	6202R-BM04C	O	RESONATOR,CRYSTAL	HC-49/S BUBANG 33-8688MHZ 5	
		X501	6212AA2271F	O	RESONATOR,CRYSTAL	HC-49S KITELCO 27MHZ +/- 20 PP	

NOTES) If you want to purchase Flash memory, you must order "IC3F1A"

NOTES) ⚠ Warning
Parts that are shaded are critical With respect to risk of fire or electricial shock.

SECTION 6 REPLACEMENT PARTS LIST(NS MODEL)

MODELS : A) ABV341 , B) XBV343 (ZENITH) **RUN DATE:07,MARCH,2003**

MECHANICAL SECTION **NSP:NOT SERVICE PART**

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
DVD SIDE								
			ASSEMBLY SECTION					
		A01	4861R-0006A	O	O	CLAMP ASSY	DISC(DP2)	
		A02	3041R-0056B	O	O	BASE ASSEMBLY	MAIN(DP-4,5 COMBI)	
		A03	3041R-0054E	O	O	BASE ASSEMBLY	SLED (DP-5RM, 2LD 302T DC W/O	
		A26	6721R-0353B	O	O	DECK ASSEMBLY,VIDEO	DECK/MECHA DP5-4V(DVD-VCR)FFC	NSP
			PARTS SECTION					
		001	3300R-0547A	O	O	PLATE	CLAMP	NSP
		002	5016H-1016B	O	O	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)	NSP
		003	4860R-0006A	O	O	CLAMP	UPPER	NSP
		004	4930R-0171A	O	O	HOLDER	CLAMP	
		008	4470R-0047A	O	O	GEAR	ASSY RACK	
		009	4470R-0053A	O	O	GEAR	MIDDLE	
		010	6850R-GK22Z	O	O	CABLE,FLAT	P=1.0 FFC UL2896(0.05X0.65) 11	
		011	3210R-0036A	O	O	FRAME	UP/D	
		012	5040R-0047B	O	O	RUBBER	DAMPER(E2,5040H-1054A),CHUNPOO	
		012A	5040R-0047D	O	O	RUBBER	DAMPER(HARDNESS=30),DARKGREEN	
		013	4400R-0006A	O	O	BELT	LOADING	
		014	4470R-0055A	O	O	GEAR	PULLEY	
		015	6871R-4415A	O	O	PWB(PCB) ASSY,TOTAL	LOADING DP4	
		016	4470R-0050A	O	O	GEAR	ASSY FEED	
		017	4470R-0056A	O	O	GEAR	LOADING	
		018	4974R-0023A	O	O	GUIDE	UP/DOWN	
		020	3040R-0024A	O	O	BASE	MAIN	NSP
		026	3390R-0005A	O	O	TRAY	DISC	
			SCREW					
		429	1SZZR-0012A	O	O	SCREW,	B-TITE	
		430	1SZZH-1003A	O	O	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		431	1SZZH-1007B	O	O	SCREW,DRAWING	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		432	1SZZR-0011A	O	O	SCREW,	MACHINE	
VCR SIDE								
			ASSEMBLY SECTION					
		A00	6721R-0740D	O	O	DECK ASSEMBLY,VIDEO	DECK/MECHA D35(N) (4HF, NTSC,	NSP
		A01	6723R-D403A	O	O	DRUM(CIRC) ASSEMBLY	D35-6CH NTSC EP JUST(8C6W)	
		A04	4811R-0038B	O	O	BRACKET ASSEMBLY	L/D	
		A11	4471R-0005A	O	O	GEAR ASSY	P3	
		A12	4471R-0004A	O	O	GEAR ASSY	P2	
		A21	4931R-0047A	O	O	HOLDER ASSY	CST	
		A22	4471R-0006A	O	O	GEAR ASSY	RACK F/L	
		A23	4261R-0023A	O	O	ARM ASSY	F/L	
		A24	4510R-0046A	O	O	LEVER	ASSY SWITCH	
			PARTS SECTION					
		001	6723R-D306A	O	O	DRUM(CIRC) ASSEMBLY	SUB D35-6CH NTSC(8C6W)	NSP
		002	4680R-B005A	O	O	MOTOR(MECH)	DRUM I2OAL05 SEJIN-SANKYO ICLE	
		002A	5202R00002C	O	O	BRUSH,CARBON	ASSY D33 (TIP+2 SPRING) 1.4,	
		003	4930R-0284A	O	O	HOLDER	FPC(6CH)	
		004	5006R-0034A	O	O	CAP	FPC	
		008	6850R-HG18Z	O	O	CABLE,FLAT	P=1.25 FFC UL2896(0.05X0.8) 7	
		009	4260R-0038A	O	O	ARM	T/UP(D35)	
		011	4261R-0022A	O	O	ARM ASSY	TENSION(D35)	
		012	3041R-0037A	O	O	BASE ASSY	P2	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		013	3041R-0038A	O	O	BASE ASSY	P3	
		014	3041R-0039A	O	O	BASE ASSY	P4	
		015	5870R-0005A	O	O	OPENER	LID(D35)	
		016	3041R-0036A	O	O	BASE ASSEMBLY	A/C HEAD (ALPS)	
		017	4408R-0003A	O	O	REEL	S	
		018	4970R-0140A	O	O	SPRING	COIL RS D35	
		019	4421R-0008A	O	O	BRAKE ASSEMBLY	RS	
		020	4970R-0128A	O	O	SPRING	COIL D35 (TB)	
		021	4421R-0006A	O	O	BRAKE ASSY	T	
		022	6520D00002A	O	O	HEAD(CIRC)	D35 FE ST FE HEAD	
		023	3040R-0057A	O	O	BASE	LOADING	
		024	4261R-0029A	O	O	ARM ASSEMBLY	IDLER (N)	
		025	4810R-0111A	O	O	BRACKET	L/D	NSP
		026	4680R-D006A	O	O	MOTOR(MECH)	LOADING RF-370CA-12560 MABUCHI	NSP
		027	4470R-0093A	O	O	GEAR	WHEEL	NSP
		028	4408R-0004A	O	O	REEL	T	
		030	4510R-0043A	O	O	LEVER	T/UP	
		031	4970R-0123A	O	O	SPRING	COIL TENSION(D35)	
		032	3141R-0040A	O	O	CHASSIS ASSY	D35	NSP
		051	4400R-0005A	O	O	BELT	CAPSTAN	
		052	4680R-A008A	O	O	MOTOR(MECH)	CAPSTAN SAMSUNG DMVCMC09L D35	
		052A	4980R-0023A	O	O	SUPPORTER	CAPSTAN(D35)	
		054	4470R-0100A	O	O	GEAR	RACK F/L	
		054A	4970R-0124B	O	O	SPRING	COIL D35 (RACK F/L)	
		055	4470R-0097A	O	O	GEAR	DRIVE(D35)	
		056	4470R-0096A	O	O	GEAR	CAM(D35)	
		058	4421R-0007A	O	O	BRAKE ASSY	CAPSTAN	
		060	4510R-0040A	O	O	LEVER	F/R(D35)	
		061	4265R-0006A	O	O	CLUTCH ASSEMBLY	D35 (N)	
		064	4470R-0098A	O	O	GEAR	SECTOR(D35)	
		065	4261R-0021A	O	O	ARM ASSY	P3	NSP
		066	4970R-0122A	O	O	SPRING	COIL D35	NSP
		067	4470R-0095A	O	O	GEAR	P3	NSP
		068	4470R-0094A	O	O	GEAR	P2	NSP
		069	4970R-0122A	O	O	SPRING	COIL D35	NSP
		070	4261R-0020A	O	O	ARM ASSY	P2	NSP
		076	4510R-0047A	O	O	LEVER	SPRING	
		077	3300R-M116A	O	O	PLATE	SLIDER	
		078	4510R-0041A	O	O	LEVER	TENSION	
		079	3040R-0056A	O	O	BASE	TENSION(D35)	
		100	3301R-M022A	O	O	PLATE ASSEMBLY	TOP	
		100A	3300R-0184A	O	O	PLATE	GND	
		100B	3300R-M118A	O	O	PLATE	TOP(D35)	
		102	4970R-0130A	O	O	SPRING	COIL D35 (STOPPER)	
		103	4930R-0276A	O	O	HOLDER	SIDE(L)	NSP
		105	4930R-0274A	O	O	HOLDER	CST	NSP
		106	4930R-0275A	O	O	HOLDER	SIDE(R)	NSP
		107	4510R-0044A	O	O	LEVER	STOPPER	NSP
		109	5870R-0004A	O	O	OPENER	DOOR	
		110	4260R-0035A	O	O	ARM	F/L(L)	NSP
		112	3070R-0002A	O	O	BODY	F/L	NSP
		113	4970R-0127A	O	O	SPRING	COIL D35 (F/L(R))	NSP
		114	4260R-0036A	O	O	ARM	F/L(R)	NSP
		115	4510R-0042A	O	O	LEVER	SWITCH	
		116	4970R-0138A	O	O	SPRING	COIL D35 SWITCH	
		117	3300R-M137A	O	O	PLATE	SPRING CST	
			SCREW & WASHER					
		402	1MPC0261418	O	O	SCREW MACHINE,PAN HEAD	D 2.6 L 4.0 MSWR3/FZY	
		405	1SZZR-0031B	O	O	SCREW,DRAWING	+ 1 D2.6 L5.8 SWRCH16A/FZY TAP	
		406	1MEC0302018	O	O	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		409	1SZZR-0032B	O	O	SCREW,DRAWING	+ 1 D2.6 L5.0 SWRCH18A/FZY TAP	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		410	1APF0262218	O	O	SCREW TAP TITE(B),PAN HEAD	#NAME?	
		517	1WZZR-0004D	O	O	WASHER	STOPPER	
		518	1WZZR-0004A	O	O	WASHER	STOPPER	
		CABINET & MAIN FRAME SECTION						
			ASSEMBLY SECTION					
		A42	3501R-9999A		O	BOARD ASSEMBLY	VCR 2003 COMBI 6TOOL KEY	
		A43	3721R-F365A		O	PANEL ASSEMBLY,FRONT	VCR VC643M AA1UZZ ZENITH(BESTB	
		A43	3721R-F323B	O		PANEL ASSEMBLY,FRONT	VCR VC681M AA1UZA ALLEGRO	
		A46	3501R-8210C	O		BOARD ASSEMBLY	VCR VC682M VCR MAIN	
		A46	3501R-8210E		O	BOARD ASSEMBLY	VCR COMBI USA	
		A46A	6885R-1011N	O		SUB PWB(PCB) ASSEMBLY	5553004C100500 FF 098818033D	
		A46A	6885R-1011Q		O	SUB PWB(PCB) ASSEMBLY	5553004C100504 FF 090810033D	
		A48	6871R-8211B	O	O	PWB(PCB) ASSEMBLY,TOTAL	COMBI 2003 NA/JPN POWER	
		A49	3501R-9998A		O	BOARD ASSEMBLY	VCR 2003 COMBI 6TOOL TIMER	
			PARTS SECTION					
		250	3110R-V004C		O	CASE	(COMBI-2) PRESS J597G(ZENITH)-	
		250	3110R-V004E	O		CASE	COMBI-2 PRESS G264G-HOLE-7EA	
		260	3210R-V002A	O	O	FRAME	COMBI-2 MOLD 403AF-BK	NSP
		275	4930R-0102A	O	O	HOLDER	LED	
		276	4930R-0298B		O	HOLDER	VCR - TIMER PWB(D+V-RIB CUTTIN	
		280	3720R-F731A		O	PANEL,VIDEO	VCR FRONT(VC643M) MOLD ZENITH	NSP
		280	3720R-F706B	O		PANEL,VIDEO		NSP
		283	3580R-V051Y		O	DOOR	VCR V027 VC643M ZENITH MOLD A3	
		283	3580R-V503B	O		DOOR		
		284	442-681A	O	O	SPRING	DOOR	
		285	3581R-T072B	O		DOOR ASSEMBLY		
		285	3581R-T083B		O	DOOR ASSEMBLY	VCR VC663M HA1UZZ A3329G	
⚠		300	6410RAHK02D		O	POWER CORD	KJ-10W/NISPT-2(ST-HS:80MM) WIT	
		300	6410RAHK02D	O		POWER CORD	KJ-10W/NISPT-2(ST-HS:80MM) WIT	
		323	3111R-0089B	O	O	CASE ASSY	PRE-AMP (PBSB-SH)	
		330	3140R-V001A	O	O	CHASSIS	COMBI-2 PRESS RCA TYPE	
			SCREW					
		452	353-051A	O	O	SCREW	SPECIAL	
		465	353-046K	O		SCREW	SPECIAL (3X10 B.K)	
		457	353-051E	O		SCREW	SPECIAL (3X12)	
		465	353-046K		O	SCREW	SPECIAL (3X10 B.K)	
		467	353-051G	O		SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FN TB ROUN	
		457	353-051E		O	SCREW	SPECIAL (3X12)	
		467	353-051G		O	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FN TB ROUN	
		PACKING & ACCESSORY SECTION						
		801	3835RM0056S	O		INSTRUCTION ASSEMBLY	VCR VC681M.AA1UZA DVD+VCR	
		801	3835RM0056P		O	INSTRUCTION ASSEMBLY	VCR VC663M.AA1UZZ ZENITH DVD+V	
		802	3890R-H813E	O		BOX	VC681M AA1UZA SWM3-A 1.297 4 O	
		802	3890R-H812Y		O	BOX	VC643M AA1UZZ SWM3-A 1.297 4 O	
		803	3920R-E080A	O	O	PACKING,CASING	VC6000_S 0.02 150 EPS 4 1 1	
		804	3858R-S001A	O	O	SHEET (MECH)	LDPE 600M 630MM 0.5 VCR_DVD	NSP
		806	6850R-CAA81	O	O	CABLE,COAXIAL	RF CABLE NTSC PLUG ALL STILL H	
		808	534-008C	O	O	BATTERY,MANGANESE	AAAM(R03) SEOTONG 1-5 V - 1PA	
		810	6851R-0032A	O	O	CABLE ASSEMBLY	1WAY(Y) + 2WAY(R/W) 1.8M + RF-	
		811	6611R1D003A	O	O	PLUG ASSEMBLY	1WAY RC1-18RRBS1-0 FREE OF CD	
		812	6611R2D003A	O	O	PLUG ASSEMBLY	2WAY RC2-18RRBS1-0 FREE OF CD_	
		900	6711R1N112A		O	REMOTE CONTROLLER ASSEMBLY	N8 VC673M NA1UZZ ZENITH	
		900	6711R1P065G	O		REMOTE CONTROLLER ASSEMBLY	N6 VC681M AA1UZA NO BRAND	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
VCR SIDE								
	A46	(BOARD ASSEMBLY)						
		A46	3501R-8210C	O		BOARD ASSEMBLY	VCR VC682M VCR MAIN	
		A46	3501R-8210E		O	BOARD ASSEMBLY	VCR COMBI USA	
		C301	0CQ2232L559	O	O	CAPACITOR,POLYESTER	0.022UF S 63V K PP NI TP5	
		C302	0CE4765K618	O	O	CAPACITOR,AL.ELECTROLYTIC	47UF SR,SV 50V M FL TP 5	
		C303	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C304	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C305	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C306	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C308	0CE4764F638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C310	0CE2264F638	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C311	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C312	0CE3364F638	O	O	CAPACITOR,ELECTROLYTIC	33M SRA 16V M FM5 TP(5)	
		C313	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C314	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C315	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C316	0CH1222K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	2200P 50V K B 2.0X1.25 R/TP	
		C317	0CH1821K516	O	O	CAPACITOR,FIXED CERAMIC(Temp.c	820PF 50V 10% B(5YP) 2012 R/TP	
		C318	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C319	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C320	0CH4391K416	O	O	CAPACITOR,CHIP[CERAMIC M/L TC	390PF 50V J NP0 2012 R/TP	
		C321	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C322	0CH4101K416	O	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP	
		C323	0CH4101K416	O	O	CAPA,CHIP CERAMIC M/L T.C F/S	100P 50V J NP0 2.0*1.25 R/TP	
		C324	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C325	0CE4764F638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C327	0CE2264F638	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C328	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C329	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C330	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C331	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C332	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C333	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C334	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C335	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C336	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C337	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C338	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C339	0CE4764F638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C340	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C341	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C342	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C343	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C344	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C346	0CE4764F638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C347	0CH1473K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.047U 50V K X7R 2.0X1.2 R/TP	
		C348	0CH1473K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.047U 50V K X7R 2.0X1.2 R/TP	
		C349	0CH1333K566	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.0330UF 50V K X7R(X) 2012 R/T	
		C350	0CE4764F638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C351	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C354	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C355	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C360	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C500	0CE4774C638	O	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C501	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C502	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C503	0CE2274C638	O	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C504	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C505	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C508	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C511	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C514	0CH4240K416	O	O	CAPACITOR,CHIP[CERAMIC M/L TC	24PF 50V J NP0 2012 R/TP	
		C515	0CH4270K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	27P 50V J COG 2.0X1.2 R/TP	
		C516	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C519	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C520	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C525	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C526	0CE4765K618	O	O	CAPACITOR,AL.ELECTROLYTIC	47UF SR,SV 50V M FL TP 5	
		C531	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C534	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C535	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C542	0CH4681K416	O	O	CAPA,CHIP CERAMIC M/L T.C F/S	680PF 50V J NP0 2012 R/TP	
		C543	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C544	0CH1473K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.047U 50V K X7R 2.0X1.2 R/TP	
		C545	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C546	0CE4764H638	O	O	CAPACITOR,FIXED ELECTROLYTIC	47M SRA 25V M FM5 TP(5)	
		C551	0CH1333H516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.033U 25V K B 2.0X1.25 R/TP	
		C552	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C561	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C566	0CH4102K416	O	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C567	0CH4102K416	O	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C568	0CH4102K416	O	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C569	0CH4102K416	O	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C570	0CH4180K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	18P 50V J C 2.0X1.2 R/TP	
		C571	0CH4180K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	18P 50V J C 2.0X1.2 R/TP	
		C572	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C573	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C574	0CH4102K416	O	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C577	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C578	0CE2274C638	O	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C579	0CE2274C638	O	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C580	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C581	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C582	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C583	0CH4102K416	O	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C584	0CE4764C638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA 6.3V M FM5 TP(5)	
		C585	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C586	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C588	0CH4102K416	O	O	CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C589	0CH4221K416	O	O	CAPA,CHIP CERAMIC M/L T.C F/S	220P 50V J 2.0X1.25 R/TP	
		C590	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C592	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C593	0CH4471K416	O	O	CAPA,CHIP CERAMIC M/L T.C F/S	470P 50V J 2.0*1.25 R/TP	
		C594	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C595	0CH4120K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	12P 50V NPO 2.0X1.25 R/TP	
		C596	0CH4180K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	18P 50V J C 2.0X1.2 R/TP	
		C597	0CH4681K416	O	O	CAPA,CHIP CERAMIC M/L T.C F/S	680PF 50V J NP0 2012 R/TP	
		C598	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C599	0CH1223K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	0.022U 50V K B 2.0X1.2 R/TP	
		C5G1	0CE1086C638	O		CAPACITOR,FIXED ELECTROLYTIC	1000000000 PF SMS,SG 6.3V M FM	
		C5L1	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C5L2	0CH4102K416	O		CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C5L5	0CH4102K416	O		CAPACITOR,FIXED CERAMIC(High d	1000PF 50V 5% NP0 2012 R/TP	
		C601	0CE4764F638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C602	0CE1074F638	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C603	0CE4774C638	O	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C604	0CE1074F638	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C606	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C607	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C608	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C609	0CE2264F638	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C610	0CE1074C638	O	O	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 6.3V 20% FM5 TP 5	
		C611	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C612	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C613	0CE4774C638	O	O	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C614	0CE2274C638	O	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C701	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C702	0CE2274C638	O	O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C703	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C704	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C706	0CH4300K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	30P 50V J CH 2.0X1.2 R/TP	
		C707	0CH4300K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	30P 50V J CH 2.0X1.2 R/TP	
		C708	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C731	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C751	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C752	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C801	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C803	0CH1102K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	1000P 50V K B 2.0X1.25 R/TP	
		C804	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		C806	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C807	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C808	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C816	0CE2254K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C821	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C822	0CH1222K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	2200P 50V K B 2.0X1.25 R/TP	
		C823	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C825	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C826	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C827	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C828	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C829	0CE2264F638	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C830	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C831	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C832	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C833	0CE2264F638	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C834	0CH1472K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	4700P 50V K B 2.0*1.25 R/TP	
		C836	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C838	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C839	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C840	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C841	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C842	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C843	0CE2264F638	O	O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C844	0CH1472K516	O	O	CAPA,CHIP CERAMIC M/L H.D F/S	4700P 50V K B 2.0*1.25 R/TP	
		C845	0CH1103K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	0.01U 50V K B 2.0X1.25 R/TP	
		C846	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C847	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C848	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C849	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C851	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C853	0CH1102K516	O	O	CHIP CAPA CERAMIC M/L H.D F/S	1000P 50V K B 2.0X1.25 R/TP	
		C854	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		C866	0CE2254K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C871	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C872	0CH4560K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	56P 50V J NPO 2.0X1.25 R/TP	
		C873	0CE2254K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C874	0CH1105F946	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 16V Z Y5V(F) 2012 R/TP	
		C875	0CH1333K566	O	O	CAPACITOR,CHIP[CERAMIC M/L HD	0.0330UF 50V K X7R(X) 2012 R/T	
		C876	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C877	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C878	0CH4560K416	O	O	CHIP CAPA CERAMIC M/L T.C F/S	56P 50V J NPO 2.0X1.25 R/TP	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C879	0CE2254K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	2.2UF SRA,SS 50V 20% FM5 TP 5	
		C880	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C881	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C882	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C883	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C884	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C885	0CH1104K946	O	O	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 2012 50V 80%,-20% Y5V(F)	
		C886	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C887	0CE3354K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	3.3UF SRA,SS 50V 20% FM5 TP 5	
		C888	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C889	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		CS501	6600M000002	O	O	SWITCH,PUSH	MPU11810MLB0 MIC DC 5V 1MA D-3	
		D802	0DD133009AA	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
		ES501	4931R-0050A	O	O	HOLDER ASSY	END	
		ES502	4931R-0050A	O	O	HOLDER ASSY	END	
		F601	6200HJC901A	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F602	6200HJC901A	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		F603	6200HJC901A	O	O	FILTER(CIRC),EMC	CFI06B1H101MF SAMHWA TP 2-5K	
		FL301	633-032K	O	O	COIL,IFT	BIAC OSC,1CHIP 5V(KS-75M) KWAN	
		IC301	0ILNRSA012A	O	O	IC,LINEAR	LA71206M-MPB SANYO 80PIN QFP T	
		IC302	0IJR223400D	O	O	IC,JRC	NJM2234L SIP8 ST S/W IC(3INPUT	
		IC501	0IMCRMI051A	O		IC,MICRO CONTROLLER	M37762MCA-1K4GP MITSUBISHI 100	
		IC501	0IMCRMI051B		O	IC,MICRO CONTROLLER	M37762MCA-1K5GP MITSUBISHI 100	
		IC504	0IKE703100A	O	O	IC,KEC	KIA7031P 3P 3.1V RESET(TAPING)	
		IC505	0IKE704200B	O	O	IC,KEC	KIA7042P 3P 4.2V RESET(TAPING)	
		IC5F1	0ILNRPY001B	O		IC,LINEAR	PT6955 PTC 24PIN SOP R/TP LED	
		IC601	0IPRPMT002A	O	O	IC,PERIPHERALS	MM1510XNRE MITSUMI 6,SOT-26A R	
		IC602	0IPRPMT006A	O	O	IC,PERIPHERALS	MM1225XFBE MITSUMI 8PIN SOP R/	
		IC801	0ILNRSA013A	O	O	IC,LINEAR	LA72670M-MPB SANYO 80PIN QFP T	
		J502	874-000T		O	WIRE COPPER TIN COATED	D=0.6 ROLL	
		J503	874-000T		O	WIRE COPPER TIN COATED	D=0.6 ROLL	
		J802	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		JK5L1	6612J00024A	O		JACK,RCA	DPAM-0292(3PIN) DOOWON	
		JK601	6612J00025E	O	O	JACK,RCA	RCA/DIN-36(SILVER) YUQIU	
		JK603	6612K00003B		O	JACK,FIBER OPTIC	PLT131/T5/12(12MBPS) EVERLIGHT	
		L301	0LR1000K035	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L303	0LR1000K035	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L305	0LR0102K035	O	O	INDUCTOR RADIAL LEAD	10M K 6X6 L5 TP	
		L501	0LR1000K035	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L510	0LR0682K035	O	O	INDUCTOR RADIAL LEAD	68M K 6X6 L5 TP	
		L511	0LR0221J0N5	O	O	INDUCTOR,RADIAL LEAD	2.2UH 5% TP 3X5 TR5	
		L512	0LR1000K035	O	O	INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L5F1	0LR1000K035	O		INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L5F2	0LR1000K035	O		INDUCTOR RADIAL LEAD	100M K 6X6 L5 TP	
		L5G1	0LR4700K035	O		INDUCTOR RADIAL LEAD	470M K 6X6 L5 TP	
		L601	0LA0101K018	O	O	INDUCTOR AXIAL LEAD	1.0M K 2.3X3.4 L5 TP	
		L706	0LR0102K035	O	O	INDUCTOR RADIAL LEAD	10M K 6X6 L5 TP	
		LD501	4931R-0017A	O	O	HOLDER ASSY	LED	
		LED501	6301R2U008A	O		LED ASSEMBLY	TOS-3663AGMGMRMY-B OASIS UNIVE	
		MS501	6600JB8005B	O	O	SWITCH,MODE	NON 5V 1MA VERTICAL -G	
		Q301	0TR150409AC	O	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q302	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q303	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q304	0TR320309AA	O	O	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	
		Q305	0TR127309AA	O	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q306	0TR150409AC	O	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q307	0TR150409AC	O	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q308	0TR127309AA	O	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q309	0TR103009AA	O	O	TRANSISTOR	CHIP KRC103S-T1(NC)22-22 KEC	
		Q310	0TR103009AC	O	O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q501	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		Q503	0TR127309AA	O	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q504	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q505	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q506	0TR103009AA	O	O	TRANSISTOR	CHIP KRC103S-T1(NC)22-22 KEC	
		Q507	0TR150409AC	O	O	TRANSISTOR	KTA1504-GR-T1(ASG) CHIP KEC	
		Q601	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q602	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		Q701	0TR320309AA	O	O	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	
		Q702	0TR320309AA	O	O	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	
		Q805	0TR387509AC	O	O	TRANSISTOR	CHIP KTC3875S-GR-T1(ALG) KEC	
		R301	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R302	0RH2702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R303	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R304	0RH2201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R305	0RH5600D622	O	O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 10 W 2012 5.00% D	
		R306	0RH0472D622	O	O	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 10 W 2012 5.00% D	
		R307	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R308	0RH0221D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.2 OHM 1 / 10 W 2012 5.00% D	
		R309	0RH2202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R310	0RH2201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R311	0RH3301D622	O	O	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 10 W 2012 5.00% D	
		R312	0RH3901D622	O	O	RESISTOR,METAL GLAZED(CHIP)	3.9K OHM 1 / 10 W 2012 5.00% D	
		R313	0RH1801D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R317	0RH8201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 10 W 2012 5.00% D	
		R318	0RH3303D622	O	O	RESISTOR,METAL GLAZED(CHIP)	330K OHM 1 / 10 W 2012 5.00% D	
		R319	0RH1202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 10 W 2012 5.00% D	
		R320	0RH1500D622	O	O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 10 W 2012 5.00% D	
		R321	0RH2702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R322	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R324	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R325	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R326	0RH1502D622	O	O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 10 W 2012 5.00% D	
		R327	0RH6801D622	O	O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 10 W 2012 5.00% D	
		R328	0RH1501D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 10 W 2012 5.00% D	
		R331	0RH2201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R332	0RH1801D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R333	0RH1201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 10 W 2012 5.00% D	
		R335	0RH8201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 10 W 2012 5.00% D	
		R336	0RH1202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 10 W 2012 5.00% D	
		R337	0RH2202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R338	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R339	0RH1802D622	O	O	RESISTOR,METAL GLAZED(CHIP)	18K OHM 1 / 10 W 2012 5.00% D	
		R340	0RH1501D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 10 W 2012 5.00% D	
		R341	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R342	0RH4700D622	O	O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 10 W 2012 5.00% D	
		R344	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R345	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R346	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R348	0RH2202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R349	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R501	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R502	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R504	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R505	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R506	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R507	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R508	0RH2702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R509	0RH6800D622	O	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 10 W 2012 5.00% D	
		R510	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R511	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R512	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R513	0RH3300D622	O		RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 10 W 2012 5.00% D	
		R514	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R515	0RH2700D622	O	O	RESISTOR,METAL GLAZED(CHIP)	270 OHM 1 / 10 W 2012 5.00% D	
		R516	0RH5602D622	O		RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R517	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R518	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R519	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R520	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R521	0RH2701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R522	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R523	0RH5601D622	O	O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 10 W 2012 5.00% D	
		R524	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R525	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R526	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R528	0RH2701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R529	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R530	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R531	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R533	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R534	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R535	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R536	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R537	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R538	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R539	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R540	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R541	0RH2201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R542	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R543	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R544	0RH1003D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 10 W 2012 5.00% D	
		R545	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R546	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R547	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R548	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R550	0RH2200D622	O	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R553	0RH2200D622	O	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R554	0RH1004D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 10 W 2012 5.00% D	
		R555	0RH2200D622	O	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R556	0RH2202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R557	0RH2702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R558	0RH2202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R563	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R564	0RH2702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	27K OHM 1 / 10 W 2012 5.00% D	
		R566	0RH2701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R569	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R570	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R571	0RH2200D622	O	O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 10 W 2012 5.00% D	
		R575	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R576	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R577	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R578	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R579	0RH5602D622	O	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R580	0RH1202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 10 W 2012 5.00% D	
		R581	0RH2201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R582	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R583	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R586	0RH1801D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R587	0RH1801D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R588	0RH2701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R589	0RH1501D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 10 W 2012 5.00% D	
		R591	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R592	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R593	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R594	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R595	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R596	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R597	0RH2201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 10 W 2012 5.00% D	
		R598	0RH1201D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 10 W 2012 5.00% D	
		R599	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R5C6	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R5K1	0RH6800D622	O		RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 10 W 2012 5.00% D	
		R5K2	0RH8200D622	O		RESISTOR,METAL GLAZED(CHIP)	820 OHM 1 / 10 W 2012 5.00% D	
		R5K3	0RH1201D622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 10 W 2012 5.00% D	
		R5K4	0RH1501D622	O		RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 10 W 2012 5.00% D	
		R5L1	0RH0752D622	O		RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 10 W 2012 5.00% D	
		R601	0RH0752D622	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 10 W 2012 5.00% D	
		R602	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R603	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R608	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R610	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R611	0RH0222D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 10 W 2012 5.00% D	
		R612	0RH0222D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 10 W 2012 5.00% D	
		R613	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R625	0RH0752D622	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 10 W 2012 5.00% D	
		R626	0RH8202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	82K OHM 1 / 10 W 2012 5.00% D	
		R627	0RH8202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	82K OHM 1 / 10 W 2012 5.00% D	
		R628	0RH0752D622	O	O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 10 W 2012 5.00% D	
		R702	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R703	0RH3901D622	O	O	RESISTOR,METAL GLAZED(CHIP)	3.9K OHM 1 / 10 W 2012 5.00% D	
		R706	0RH6800D622	O	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 10 W 2012 5.00% D	
		R707	0RH6800D622	O	O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 10 W 2012 5.00% D	
		R708	0RH3302D622	O	O	RESISTOR,METAL GLAZED(CHIP)	33K OHM 1 / 10 W 2012 5.00% D	
		R711	0RH1001D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 10 W 2012 5.00% D	
		R751	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R752	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R801	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R802	0RH4702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R804	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R805	0RH4702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R806	0RH7501D622	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R807	0RH5602D622	O	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R808	0RH2202D622	O	O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 10 W 2012 5.00% D	
		R809	0RH1800D622	O	O	RESISTOR,METAL GLAZED(CHIP)	180 OHM 1 / 10 W 2012 5.00% D	
		R810	0RH1801D622	O	O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 5.00% D	
		R811	0RH5602D622	O	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R812	0RH7501D622	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R813	0RH5602D622	O	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R814	0RH7501D622	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R817	0RH1502D622	O	O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 10 W 2012 5.00% D	
		R818	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		R821	0RH1002D622	O	O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R822	0RH1003D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 10 W 2012 5.00% D	
		R823	0RH4702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R835	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R836	0RH4700D622	O	O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 10 W 2012 5.00% D	
		R837	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R838	0RH2701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 10 W 2012 5.00% D	
		R839	0RH3902D622	O	O	RESISTOR,METAL GLAZED(CHIP)	39K OHM 1 / 10 W 2012 5.00% D	
		R840	0RH0000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R842	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R843	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R844	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R845	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R851	0RH1000D622	O	O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 10 W 2012 5.00% D	
		R856	0RH7501D622	O	O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 10 W 2012 5.00% D	
		R857	0RH5602D622	O	O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 10 W 2012 5.00% D	
		R858	0RH4702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R866	0RH4702D622	O	O	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 10 W 2012 5.00% D	
		R867	0RH1502D622	O	O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 10 W 2012 5.00% D	
		R874	0RH4701D622	O	O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 10 W 2012 5.00% D	
		RC501	6712R1938GB	O		REMOTE CONTROLLER RECEIVER	TSOP2238WE1 VISHAY 37.9KHZ 19M	
		RS501	6500RAB003A	O	O	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		RS502	6500RAB003A	O	O	SENSOR	SG-260 KODENSHI D33 REEL SENSO	
		SW501	556-213C	O		SWITCH,DETECTOR	THVV951BAA POSTECH DC 12 V 5-0	
		SW502	556-213C	O		SWITCH,DETECTOR	THVV951BAA POSTECH DC 12 V 5-0	
		SW503	556-213C	O		SWITCH,DETECTOR	THVV951BAA POSTECH DC 12 V 5-0	
		SW504	556-213C	O		SWITCH,DETECTOR	THVV951BAA POSTECH DC 12 V 5-0	
		SW505	556-213C	O		SWITCH,DETECTOR	THVV951BAA POSTECH DC 12 V 5-0	
		SW601	6600R-SH18A	O	O	SWITCH,TACT	CSS-4206 CHANGSHIN DC 30 V 10	
		TU701	6700NFNL04A	O	O	TUNER	TADM-H102F(US,LGIT) LG INOTEK	
		X501	6212AC2327E	O	O	RESONATOR,CRYSTAL	C-001R SEIKO EPSON 32.768 KHZ	
		X502	6202R1143DC	O	O	RESONATOR,CRYSTAL	H49U BUBANG 14-31818HZ 25PPM 1	
		ZD501	0DZ560009CA		O	DIODE,ZENER	MTZ5.6B TP ROHM-K	
		ZD502	0DZ560009CA		O	DIODE,ZENER	MTZ5.6B TP ROHM-K	
		ZD751	0DZ102609BB	O	O	DIODE,ZENER	UZ-10BSB 26MM TP PYUNG CHANG D	
		ZD752	0DZ562609AB	O	O	DIODE,ZENER	UZ-5.6BSC 26MM TP PYUNG CHANG	
	A49	**(BOARD ASSEMBLY)**						
		A49	3501R-9998A		O	BOARD ASSEMBLY	VCR 2003 COMBI 6TOOL TIMER	
		C601	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C6G1	0CE4774C638		O	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C6G2	0CE4774C638		O	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		IC601	0ILNRPY001A		O	IC,LINEAR	PT6955 PTC 24P SOP ST LED DRIV	
		L601	0LR4700K035		O	INDUCTOR RADIAL LEAD	470M K 6X6 L5 TP	
		LD601	6301R2U008B		O	LED ASSEMBLY	TOS-3664AGMGMRMY-B OASIS UNIVE	
		LED601	0DL112000AK		O	DIODE,LED	DL-11S2GNS(SUPPER,GREEN,03)KOC	
		LED602	0DL342009DA		O	LED	SLR-342YY TP ROHM YELLOW 10	
		Q601	0TR103009AE		O	TRANSISTOR,BIPOLARS	KRC103M(KRC1203) KEC TP TO92M	
		Q602	0TR103009AE		O	TRANSISTOR,BIPOLARS	KRC103M(KRC1203) KEC TP TO92M	
		R604	0RD5602F608		O	RESISTOR,FIXED CARBON FILM	56K OHM 1/6 W 5% TA26	
		R605	0RD3300F608		O	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R611	0RD6800F608		O	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R612	0RD8200F608		O	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5% TA26	
		R613	0RD1201F608		O	RESISTOR,FIXED CARBON FILM	1.2K OHM 1/6 W 5% TA26	
		R614	0RD1501F608		O	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R615	0RD2201F608		O	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R616	0RD3301F608		O	RESISTOR,FIXED CARBON FILM	3.3K OHM 1/6 W 5% TA26	
		R617	0RD4701F608		O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R621	0RD2701F608		O	RESISTOR,FIXED CARBON FILM	2.7K OHM 1/6 W 5% TA26	
		R622	0RD1501F608		O	RESISTOR,FIXED CARBON FILM	1.5K OHM 1/6 W 5% TA26	
		R630	0RD1500F608		O	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5% TA26	
		R631	0RD1500F608		O	RESISTOR,FIXED CARBON FILM	150 OHM 1/6 W 5% TA26	
		RC601	6712R1638GA		O	REMOTE CONTROLLER RECEIVER	TSOP1838RF1 VISHAY(TEMIC) 37-	
		SW601	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW602	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW603	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW604	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW605	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW606	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW607	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW612	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW613	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
	A42	**(BOARD ASSEMBLY)**						
		A42	3501R-9999A		O	BOARD ASSEMBLY	VCR 2003 COMBI 6TOOL KEY	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C611	0CN1020K518		O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		C612	0CN1020K518		O	CAPACITOR TUBULA(HIGH DIELE)	1000P 50V K B TA26	
		JK601	572-034D		O	JACK,RCA	JPJ1022-01-040 HOSIDEN (YL)	
		JK602	572-034C		O	JACK,RCA	JPJ1022-01-030 HOSIDEN (WH)	
		JK603	572-034B		O	JACK,RCA	JPJ1022-01-020 HOSIDEN (RED)	
		L602	0LA1000K018		O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		L603	0LA1000K018		O	INDUCTOR AXIAL LEAD	100M K 2.3X3.4 L5 TP	
		R618	0RD8201F608		O	RESISTOR,FIXED CARBON FILM	8.2K OHM 1/6 W 5% TA26	
		R619	0RD1502F608		O	RESISTOR,FIXED CARBON FILM	15K OHM 1/6 W 5% TA26	
		R620	0RD2702F608		O	RESISTOR,FIXED CARBON FILM	27K OHM 1/6 W 5% TA26	
		R623	0RD6800F608		O	RESISTOR,FIXED CARBON FILM	680 OHM 1/6 W 5% TA26	
		R624	0RD8200F608		O	RESISTOR,FIXED CARBON FILM	820 OHM 1/6 W 5% TA26	
		R641	0RD0752F608		O	RESISTOR,FIXED CARBON FILM	75 OHM 1/6 W 5.00% TA26	
		SW608	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW609	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW610	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW611	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW614	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW615	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
		SW616	556-219B		O	SWITCH,TACT	THVV502GAA POSTECH DC 12 V 5-	
	A48	**PWB(PCB) ASSEMBLY,TOTAL**						
		A48	6871R-8211B	O	O	PWB(PCB) ASSEMBLY,TOTAL	COMBI 2003 NA/JPN POWER	
		BD01	636-004C	O	O	FILTER(CIRC),EMC	BEAD CORE BFS3550R2FD8,R T/P	
		BD02	636-004C	O	O	FILTER(CIRC),EMC	BEAD CORE BFS3550R2FD8,R T/P	
		BD101	0DD160000DA	O	O	DIODE	S1WBA60(1A 600V) SHIDENKEN	
⚠		C101	624-088F	O	O	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	
⚠		C102	624-088F	O	O	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	
		C103	0CE157CR610	O	O	CAPACITOR,AL.ELECTROLYTIC	150UF SHL,SD 250V M FL BULK	
		C105	0CQ1031Y519	O	O	CAPACITOR,POLYESTER	0.01UF D 630V K PE NI TP	
		C106	624-087B	O	O	CAPACITOR	HIGH-VOL 100P/1KV SMPS SAMHWA	
		C107	0CE1054K638	O	O	CAPACITOR,ELECTROLYTIC	1.0M SRA/SS50V M FM5 TP(5)	
		C108	0CE336BH638	O	O	CAPACITOR,ELECTROLYTIC	33UF KME 25V M FM5 TP5	
		C109	0CN223AK948	O	O	CAPACITOR,TUBULAR(HIGH DIELEC)	0.022UF 50V Z F TA26 S	
⚠		C110	0CG1020U630	O	O	CAPACITOR,SEMI CERAMIC	1000PF 400V M E(Z5U) R	
⚠		C111	0CG2220U630	O	O	CAPACITOR,SEMI CERAMIC	2200 PF 400V M E R (NK,AD,SD)	
		C123	0CE477BH638	O	O	CAPACITOR,ELECTROLYTIC	470UF KME 25V M FM5 TP5	
		C126	0CE2276H638	O	O	CAPACITOR,FIXED ELECTROLYTIC	220UF SMS,SG 25V 20% FM5 TP 5	
		C127	0CE108BF630	O	O	CAPACITOR,FIXED ELECTROLYTIC	1000UF KME 16V M FM5 BULK	
		C128	0CE3376D638	O	O	CAPACITOR,ELECTROLYTIC	330UF SMS 10V M FM5 TP5	
		C129	0CE228BF630	O	O	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C131	624-082H	O	O	CAPACITOR	CE 1000UF/10V SHL(10*12.5)T/P	
		C132	624-085D	O	O	CAPACITOR	CE 47UF/50V KME (SMPS)	
		C133	0CQ1042K409	O	O	CAPACITOR,FIXED FILM	0.1UF S 50V J PE TP	
		C151	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C152	0CE4754K638	O	O	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C153	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C154	0CE1074F638	O	O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C155	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C159	0CE1064F638	O	O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C161	0CE4764C638	O	O	CAPACITOR,ELECTROLYTIC	47M SRA 6.3V M FM5 TP(5)	
		C163	624-087H	O	O	CAPACITOR	HIGH-VOL 220PF/1KV CERAMIC	
		D101	0DD221009AA	O	O	DIODE,RECTIFIERS	ERA22-10 KFLB,TP ,R T/P,FUJI	
		D102	0DD010009AC	O	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D110	0DR302000AB	O	O	DIODE,RECTIFIER	HER302 BK RECTRON DO201AD 100V	
		D111	0DR158220AA	O	O	DIODE,RECTIFIER	1N5822 BK RECTRON DO201AD 40V	
		D112	0DR158220AA	O	O	DIODE,RECTIFIER	1N5822 BK RECTRON DO201AD 40V	
		D113	0DD010009AC	O	O	DIODE	EU01W(R-FORM) TP SANKEN	
		D114	0DR104009AB	O	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D115	0DR104009AB	O	O	DIODE,RECTIFIER	RL104 R. TP GULF SEMICONDUCTOR	
		D121	0DD133009AA	O	O	DIODE,SWITCHING	1SS133 DETECT,SW TP	
⚠		F101	0FS1601B51B	O	O	FUSE,SLOW BLOW	1600MA 250 V 5.2X20 CY/GL KS /	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		FH01	586-008B	O	O	HOLDER	FUSE CLIP TP SINSUNG	
		FH02	586-008B	O	O	HOLDER	FUSE CLIP TP SINSUNG	
⚠		IC101	0IPMGFF001A	O	O	IC,POWER MANAGEMENT	ICE2B265 INFINEON 8 DIP ST SMP	
⚠		IC102	657-063A	O	O	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)	
		IC103	0ISS431000A	O	O	IC,SAMSUNG ELECTRONICS	KA431AZ (LM431AZ)	
		IC151	0IPMGKE008B	O	O	IC,POWER MANAGEMENT	KIA78R08PI CU KEC 4P TO-220IS	
⚠		L102	616-145P	O	O	FILTER(CIRC),DRAWING	LFSQ2215V4-04220B SAMWAH TECOM	
		L122	633-088G	O	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		L123	633-088G	O	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		L124	633-088G	O	O	COIL,CHOKE	CHOCK(22MH) 5MM TOKO TP	
		Q156	0TR320509AB	O	O	TRANSISTOR	KTC3205-TP-Y (KTC2236A)KEC	
		Q160	0TR127309AA	O	O	TRANSISTOR	KTA1273-TP-Y (KTA966A)KEC	
		Q161	0TR126809BA	O	O	TRANSISTOR,BIPOLARS	KTA1268-BL TP KEC	
		Q162	0TR319809AC	O	O	TRANSISTOR	KTC3198-TP-BL (KTC1815)KEC	
		R100	0RD1504H632	O	O	RESISTOR,FIXED CARBON FILM	1.5M OHM 1/2 W 5.00% MF10	
		R101	614-007A	O	O	RESISTOR	2.7/2W CEMENT SMPS V	
		R104	0RS5602K619	O	O	RESISTOR,FIXED METAL OXIDE FIL	56K OHM 2 W 5.00% TR	
		R105	0RD0222F608	O	O	RESISTOR,FIXED CARBON FILM	22 OHM 1/6 W 5% TA26	
		R106	0RD0222F608	O	O	RESISTOR,FIXED CARBON FILM	22 OHM 1/6 W 5% TA26	
		R107	0RS0350K619	O	O	RESISTOR,FIXED METAL OXIDE FIL	0.35 OHM 2 W 5.00% TR	
		R112	0RD2200F608	O	O	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R113	0RD2201F608	O	O	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R114	0RD1001F608	O	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R115	0RN3301F408	O	O	RESISTOR,FIXED METAL FILM	3.3K OHM 1/6 W 1% TA26	
		R116	0RN2701F408	O	O	RESISTOR,FIXED METAL FILM	2.7K OHM 1/6 W 1% TA26	
		R117	0RD2700F608	O	O	RESISTOR,FIXED CARBON FILM	270 OHM 1/6 W 5% TA26	
		R119	0RD1003F608	O	O	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R131	0RD2203F608	O	O	RESISTOR,FIXED CARBON FILM	220K OHM 1/6 W 5% TA26	
		R132	0RD2203F608	O	O	RESISTOR,FIXED CARBON FILM	220K OHM 1/6 W 5% TA26	
		R153	0RD4701F608	O	O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R154	0RD1001F608	O	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R155	0RD1802F608	O	O	RESISTOR,FIXED CARBON FILM	18K OHM 1/6 W 5% TA26	
		R156	0RD1002F608	O	O	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R157	0RD1001F608	O	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R158	0RD3300F608	O	O	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R159	0RD3300F608	O	O	RESISTOR,FIXED CARBON FILM	330 OHM 1/6 W 5% TA26	
		R163	0RD4701F608	O	O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R164	0RD4701F608	O	O	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R170	0RD1002F608	O	O	RESISTOR,FIXED CARBON FILM	10K OHM 1/6 W 5% TA26	
		R171	0RD1001F608	O	O	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
⚠		T101	6170RNGW12A	O	O	TRANSFORMER,SMPS[COIL]	EER3530 SOOJUNG WIDE EER3530	
⚠		V101	656-004C	O	O	VARISTOR,DRAWING	SVC681D-10A SAMHWA 4.O CUT	
		ZD103	0DZ130009AA	O	O	DIODE,ZENER	MTZ13A TP ROHM-K	
		Q162	0TR319909AF	O	O	TRANSISTOR,BIPOLARS	KTC3199-BL MINI TP KEC	
DVD SIDE								
	A46A (SUB PWB(PCB) ASSEMBLY)							
		A46A	6885R-1011N	O		SUB PWB(PCB) ASSEMBLY	5553004C100500 FF 098818033D	
		C201	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C202	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C203	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C204	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C205	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C206	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C207	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C208	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C209	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C210	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C211	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C212	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C213	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C214	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C215	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C216	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C224	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C225	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C226	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C229	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C230	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C231	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C232	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C238	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C239	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C240	0CH1222K562	O		CAPACITOR,CHIP[CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP	
		C242	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C245	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C251	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C252	0CH4100K112	O		CHIP CAPA CERAMIC M/L T.C F/S	10P 50V D COG 1.6X0.8 R/TP	
		C253	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C254	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C255	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C258	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C261	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C262	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C263	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C264	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C265	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C272	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C273	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C274	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C277	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C278	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C279	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C280	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C281	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C282	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C284	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C285	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C286	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C287	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C288	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C289	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C290	0CH4180K412	O		CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C291	0CH4180K412	O		CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C292	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C293	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C294	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C295	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C296	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C297	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C298	0CE4774C638	O		CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C299	0CH4220K412	O		CAPA,CHIP CERAMIC M/L T.C F/S	22P 50V J COG 1.6X0.8 R/TP	
		C2A0	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2A3	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A4	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2A5	0CH1683F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2A6	0CH1102K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2A7	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A8	0CH1152K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2A9	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2B3	0CH1392K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C2B4	0CH1683F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2B5	0CH1333K562	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.033UF 50V K X7R(X) 1508 R/TP	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C2B9	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C1	0CH1103K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C2C2	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2C4	0CH1102K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C5	0CH1332K562	O		CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP	
		C2C6	0CH1102K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C8	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C9	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D0	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D1	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D2	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D3	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D4	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D5	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D6	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D7	0CH1152K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2D9	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2E1	0CH4470K412	O		CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E2	0CH4470K412	O		CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E3	0CH4470K412	O		CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E4	0CH4470K412	O		CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2M1	0CE1074F638	O		CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C2M2	0CH1682K562	O		CAPACITOR,CHIP[CERAMIC M/L HD	6800P 50V K X7R 1.6X0.8 R/TP	
		C2M3	0CH1472K562	O		CAPACITOR,CHIP[CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP	
		C2M4	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M5	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M6	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M7	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M8	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M9	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N1	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N3	0CH1223K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.022UF 50V Z Y5V(F) 1508 R/TP	
		C2N4	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C301	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C302	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C303	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C304	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C305	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C306	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C307	0CH1105D942	O		CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C308	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C309	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C314	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C316	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C317	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C318	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C319	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C320	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C321	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C323	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C324	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C3F1	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C3F2	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C3F3	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C401	0CE2264F638	O		CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C402	0CE2264F638	O		CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C403	0CE2264F638	O		CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C404	0CE2264F638	O		CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C405	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C406	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C408	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

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		C409	0CE2274C638	O		CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C410	0CH4271K412	O		CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C411	0CH1102K512	O		CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C412	0CH4271K412	O		CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C413	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C414	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C415	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C416	0CH1102K512	O		CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C417	0CH4271K412	O		CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C418	0CH1392K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C419	0CE2264F638	O		CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C420	0CH1392K562	O		CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C421	0CE2264F638	O		CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C422	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C423	0CH4271K412	O		CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C424	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C425	0CH1104K942	O		CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C501	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C502	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C503	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C504	0CE1064F638	O		CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C506	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C507	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C508	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C509	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C510	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C511	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C512	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C513	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C514	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C515	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C516	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C517	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C518	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C519	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C520	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C521	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C522	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C523	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C525	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C526	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C527	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C528	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C529	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C530	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C531	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C532	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C533	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C534	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C535	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C536	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C538	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C540	0CH4220K412	O		CAPA,CHIP CERAMIC M/L T.C F/S	22P 50V J COG 1.6X0.8 R/TP	
		C541	0CH4270K412	O		CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C542	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C543	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C544	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C546	0CH4221K412	O		CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C549	0CH4221K412	O		CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C550	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C553	0CH4221K412	O		CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C554	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C555	0CH4101K412	O		CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C556	0CH4101K412	O		CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C557	0CH4270K412	O		CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C558	0CH1104F942	O		CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C559	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C560	0CH1225F944	O		CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C561	0CE4764F638	O		CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		D201	0DR495009AA	O		DIODE,RECTIFIER	RB495D TP ROHM SMD 40V 400A 2A	
		D2A1	0DS202009CA	O		DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A2	0DS202009CA	O		DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A3	0DS202009CA	O		DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D401	0DSRM00118A	O		DIODE,SWITCHING	DAP202K T146 ROHM R/TP SMD 80V	
		IC201	0ILNRHY002B	O		IC,LINEAR	HDC25D811B HYUNDAI 208 QFP TRA	
		IC203	0IEB121616B	O		IC,ELITE MEMORY TECHNOLOGY	M12L16161A-7T-L 50PIN TSOP TRA	
		IC206	GITO704000F	O		IC,TOSHIBA	TC7W04FU	
		IC2A1	0ILNRHI003A	O		IC,LINEAR	HD153702TF HITACHI 64 TQFP TRA	
		IC2A2	0IJR341400C	O		IC,JRC	NJM3414AM-TE1,3K/REEL. JRC	
		IC2A4	0IKE393000G	O		IC,KEC	KIA393F-EL FLP-8 TP DUAL COMPA	
		IC2M1	0ILNRFA013A	O		IC,LINEAR	FAN8004 FAIRCHILD 48 QFP TRAY	
		IC301	0ICTMHY011A	O		IC,CUSTOMIZED	HS353106 HYNIX 100 TQFP TRAY C	
		IC305	0IMMRHY025A	O		IC,MEMORIES	HY57V643220CT-7 HYUNDAI 86P TS	
		IC3F1	0IMMRFU001B	O		IC,MEMORIES	MBM29LV800BA-90PFTN FUJITSU 48	
		IC401	0IPRPCI003B	O		IC,PERIPHERALS	CS4391-KZR CIRRUS LOGIC 20 TSS	
		IC402	0IJR458000B	O		IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC501	0INS860200A	O		IC,NATIONAL SEMICONDUCTOR	NDV8602 240 VQFP BK MICOM+MPEG	
		IC502	0IMMRCB001A	O		IC,MEMORIES	CAT93C56S-TE13 CRYSTAL SEMICON	
		IC502A	6957R-254AH	O		PROGRAM	COMBI DVD MODULE : GV600210	
		IC503	0IFA742440F	O		IC,FAIRCHILD	MM74HCT244SJ 20P SOIC TP 3-STA	
		IC506	0IPMGA7001A	O		IC,POWER MANAGEMENT	AMC1117-1.8SJ ADD MICROTECH 3P	
		L201	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L206	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L207	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L208	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A1	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A2	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L301	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L302	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L3F1	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L501	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L502	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L503	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L504	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L505	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L506	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L507	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L508	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L509	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L510	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L511	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L603	6200HJC102A	O		FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		Q2A1	0TR103709BB	O		TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A2	0TR103709BB	O		TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A5	0TR388209AA	O		TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2A6	0TR388209AA	O		TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2M1	0TR124009AP	O		TRANSISTOR	DTC124EK TP ROHM KOREA SOT23 3	
		Q401	0TR103709BB	O		TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q404	0TR103009AC	O		TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q405	0TR103009AC	O		TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		R201	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R202	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R203	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R204	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R207	0RH1004C622	O		RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R217	0RH0102C622	O		RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R218	0RH4700C622	O		RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R219	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R220	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R230	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R231	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R232	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R233	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R234	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R235	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R236	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R237	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R239	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R240	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R241	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R242	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R243	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R252	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R269	0RH0222C622	O		RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R273	0RH1501C622	O		RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R274	0RH6200C622	O		RESISTOR,METAL GLAZED(CHIP)	620 OHM 1 / 16 W 1608 5.00% D	
		R275	0RH1501C622	O		RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R276	0RH9100C622	O		RESISTOR,METAL GLAZED(CHIP)	910 OHM 1 / 16 W 1608 5.00% D	
		R277	0RH1500C622	O		RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R278	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R279	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R281	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R290	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R291	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R292	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2A1	0RH0912C622	O		RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2A2	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2A6	0RH1202C622	O		RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2A9	0RH5602C622	O		RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 16 W 1608 5.00% D	
		R2B0	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B1	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B2	0RH0182C622	O		RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B3	0RH0182C622	O		RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B4	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2B5	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B6	0RH0182C622	O		RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B7	0RH0182C622	O		RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B8	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2C0	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C4	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C5	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C6	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C7	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C8	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C9	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D0	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D1	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D2	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D3	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D4	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D5	0RH6801C622	O		RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R2D6	0RH0912C622	O		RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2E6	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R2E7	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2E8	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2F1	0RH2200C622	O		RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F2	0RH2200C622	O		RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F3	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F4	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F5	0RH2202C422	O		RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 1.00% D	
		R2F6	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F7	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F8	0RH2201C622	O		RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2F9	0RH2201C622	O		RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G1	0RH2201C622	O		RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G2	0RH2201C622	O		RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G3	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G4	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G7	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2G9	0RH1500C622	O		RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R2M1	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M2	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M3	0RH7501C622	O		RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R2M5	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M6	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M7	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M8	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M9	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N0	0RH1202C622	O		RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2N1	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N2	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2N3	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N4	0RH1502C622	O		RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R2N5	0RH1202C622	O		RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2N6	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N7	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N8	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N9	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P0	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2P1	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P2	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P3	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P7	0RH2202C622	O		RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		R2P8	0RH1201C622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R2P9	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2Q1	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2R1	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2R2	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R303	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R306	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R307	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R308	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R309	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R310	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R315	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R317	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R318	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R319	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R320	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R321	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R322	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R323	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R364	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R365	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R366	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R367	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R368	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R369	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F1	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F2	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R3F3	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F4	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F5	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R401	0RH0182C622	O		RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R403	0RH0102C622	O		RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R404	0RH6801C622	O		RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R405	0RH1801C622	O		RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R406	0RH1801C622	O		RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R407	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R409	0RH6801C622	O		RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R410	0RH6801C622	O		RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R411	0RH6801C622	O		RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R412	0RH1801C622	O		RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R413	0RH8201C622	O		RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R414	0RH5601C622	O		RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R415	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R416	0RH8201C622	O		RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R417	0RH1801C622	O		RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R418	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R419	0RH3300C622	O		RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R420	0RH3300C622	O		RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R428	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R429	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R430	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R431	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R432	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R433	0RH5600C622	O		RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R434	0RH5600C622	O		RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R435	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R436	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R437	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R438	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R439	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R440	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R441	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R501	0RH3301C622	O		RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R502	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R503	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R504	0RH1500C422	O		RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 1.00% D	
		R505	0RH0102C622	O		RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R506	0RH1001C422	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 1.00% D	
		R507	0RH1100C622	O		RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R508	0RH0752C622	O		RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R509	0RH1100C622	O		RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R510	0RH0222C622	O		RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R514	0RH0222C622	O		RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R515	0RH0222C622	O		RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R516	0RH1000C622	O		RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R520	0RH0222C622	O		RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R521	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R522	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R523	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R524	0RH1001C622	O		RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R530	0RH1201C622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R531	0RH1201C622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R532	0RH1201C622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R533	0RH1201C622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R534	0RH6800C622	O		RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R535	0RH1201C622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R541	0RH1002C622	O		RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R588	0RH0752C622	O		RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R589	0RH0752C622	O		RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R590	0RH0752C622	O		RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R591	0RH0752C622	O		RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R592	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R602	0RH6800C622	O		RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R603	0RH8200C622	O		RESISTOR,METAL GLAZED(CHIP)	820 OHM 1 / 16 W 1608 5.00% D	
		R604	0RH1201C622	O		RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R605	0RH1501C622	O		RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R606	0RH2201C622	O		RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R607	0RH3301C622	O		RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R608	0RH4701C622	O		RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R609	0RH0000C622	O		RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		X201	6202R-BM04C	O		RESONATOR,CRYSTAL	HC-49/S BUBANG 33-8688MHZ 5	
		X501	6212AA2271F	O		RESONATOR,CRYSTAL	HC-49S KITELCO 27MHZ +/- 20 PP	
	A46A (SUB PWB(PCB) ASSEMBLY)							
		A46A	6885R-1011Q		O	SUB PWB(PCB) ASSEMBLY	5553004C100504 FF 090810033D	
		C201	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C202	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C203	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C204	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C205	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C206	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C207	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C208	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C209	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C210	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C211	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C212	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C213	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C214	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C215	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C216	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C224	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C225	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C226	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C229	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C230	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C231	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C232	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C238	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C239	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C240	0CH1222K562		O	CAPACITOR,CHIP[CERAMIC M/L HD	2200PF 50V K X7R(X) 1608 R/TP	
		C242	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C245	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C251	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C252	0CH4100K112		O	CHIP CAPA CERAMIC M/L T.C F/S	10P 50V D COG 1.6X0.8 R/TP	
		C253	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C254	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C255	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C258	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C261	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C262	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C263	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C264	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C265	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C272	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C273	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C274	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C277	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C278	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C279	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C280	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C281	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C282	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C284	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C285	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C286	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C287	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C288	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C289	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C290	0CH4180K412		O	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C291	0CH4180K412		O	CAPACITOR,CHIP[CERAMIC M/L TC	18P 50V J COG 1.6X0.8 R/TP	
		C292	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C293	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C294	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C295	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C296	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C297	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C298	0CE4774C638		O	CAPACITOR,FIXED ELECTROLYTIC	470UF SRA,SS 6.3V 20% FM5 TP 5	
		C299	0CH4220K412		O	CAPA,CHIP CERAMIC M/L T.C F/S	22P 50V J COG 1.6X0.8 R/TP	
		C2A0	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2A3	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A4	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2A5	0CH1683F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2A6	0CH1102K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2A7	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2A8	0CH1152K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2A9	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2B3	0CH1392K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C2B4	0CH1683F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.068UF 16V 80%,-20% Y5V(F) 16	
		C2B5	0CH1333K562		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.033UF 50V K X7R(X) 1508 R/TP	
		C2B9	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C1	0CH1103K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.01UF 50V 10% X7R(X) 1608 R/T	
		C2C2	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2C4	0CH1102K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C5	0CH1332K562		O	CAPACITOR,CHIP[CERAMIC M/L HD	3300P 50V K X7R 1.6X0.8 R/TP	
		C2C6	0CH1102K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% X7R(X) 1608 R/T	
		C2C8	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2C9	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D0	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D1	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D2	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D3	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D4	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C2D5	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C2D6	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2D7	0CH1152K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	1500PF 50V 10% X7R(X) 1608 R/T	
		C2D9	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2E1	0CH4470K412		O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E2	0CH4470K412		O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E3	0CH4470K412		O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2E4	0CH4470K412		O	CAPA,CHIP CERAMIC M/L T.C F/S	47P 50V J COG 1.6X0.8 R/TP	
		C2M1	0CE1074F638		O	CAPACITOR,ELECTROLYTIC	100U SRA 16V M FM5 TP(5)	
		C2M2	0CH1682K562		O	CAPACITOR,CHIP[CERAMIC M/L HD	6800P 50V K X7R 1.6X0.8 R/TP	
		C2M3	0CH1472K562		O	CAPACITOR,CHIP[CERAMIC M/L HD	4700PF 50V K X7R(X) 1608 R/TP	
		C2M4	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C2M5	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M6	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M7	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M8	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2M9	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N1	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C2N3	0CH1223K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.022UF 50V Z Y5V(F) 1508 R/TP	
		C2N4	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C301	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C302	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C303	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C304	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C305	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C306	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C307	0CH1105D942		O	CAPACITOR,CHIP[CERAMIC M/L HD	1UF 10V Z Y5V(F) 1508 R/TP	
		C308	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C309	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C314	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C316	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C317	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C318	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C319	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C320	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C321	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C323	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C324	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C3F1	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C3F2	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C3F3	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C401	0CE2264F638		O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C402	0CE2264F638		O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C403	0CE2264F638		O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C404	0CE2264F638		O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C405	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C406	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C408	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C409	0CE2274C638		O	CAPACITOR,ELECTROLYTIC	220M SRA 6.3V M FM5 TP(5)	
		C410	0CH4271K412		O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C411	0CH1102K512		O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C412	0CH4271K412		O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C413	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C414	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C415	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C416	0CH1102K512		O	CAPACITOR,FIXED CERAMIC(Temp.c	1000PF 50V 10% B(5YP) 1608 R/T	
		C417	0CH4271K412		O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C418	0CH1392K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C419	0CE2264F638		O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C420	0CH1392K562		O	CAPACITOR,FIXED CERAMIC(Temp.c	3900PF 50V K Z5U(E) 1608 R/TP	
		C421	0CE2264F638		O	CAPACITOR,ELECTROLYTIC	22M SRA 16V M FM5 TP(5)	
		C422	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C423	0CH4271K412		O	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		C424	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C425	0CH1104K942		O	CAPACITOR,CHIP[CERAMIC M/L HD	0.1UF 50V Z Y5V(F) 1508 R/TP	
		C501	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C502	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C503	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C504	0CE1064F638		O	CAPACITOR,ELECTROLYTIC	10M SRA 16V M FM5 TP(5)	
		C506	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C507	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C508	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C509	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		C510	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C511	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C512	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C513	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C514	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C515	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C516	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C517	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C518	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C519	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C520	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C521	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C522	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C523	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C525	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C526	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C527	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C528	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C529	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C530	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C531	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C532	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C533	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C534	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C535	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C536	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C538	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C540	0CH4220K412		O	CAPA,CHIP CERAMIC M/L T.C F/S	22P 50V J COG 1.6X0.8 R/TP	
		C541	0CH4270K412		O	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C542	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C543	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C544	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C546	0CH4221K412		O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C549	0CH4221K412		O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C550	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C553	0CH4221K412		O	CAPACITOR,CHIP[CERAMIC M/L TC	220P 50V J COG 1.6X0.8 R/TP	
		C554	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C555	0CH4101K412		O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C556	0CH4101K412		O	CHIP CAPA CERAMIC M/L T.C F/S	100P 50V J COG 1.6X0.8 R/TP	
		C557	0CH4270K412		O	CAPACITOR,CHIP[CERAMIC M/L TC	27PF 50V J NP0 1608 R/TP	
		C558	0CH1104F942		O	CAPACITOR,FIXED CERAMIC(Temp.c	0.1UF 16V 80%,-20% Y5V(F) 1608	
		C559	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		C560	0CH1225F944		O	CAPACITOR,FIXED CERAMIC(Temp.c	2.2UF 16V 80%,-20% Y5V(F) 3216	
		C561	0CE4764F638		O	CAPACITOR,ELECTROLYTIC	47M SRA/SS 16V M FM5 TP(5)	
		D201	0DR495009AA		O	DIODE,RECTIFIER	RB495D TP ROHM SMD 40V 400A 2A	
		D2A1	0DS202009CA		O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A2	0DS202009CA		O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D2A3	0DS202009CA		O	DIODE,SWITCHING	DAN202K TP ROHM KOREA SOT23 80	
		D401	0DSRM00118A		O	DIODE,SWITCHING	DAP202K T146 ROHM R/TP SMD 80V	
		IC201	0ILNRHY002B		O	IC,LINEAR	HDC25D811B HYUNDAI 208 QFP TRA	
		IC203	0IEB121616B		O	IC,ELITE MEMORY TECHNOLOGY	M12L16161A-7T-L 50PIN TSOP TRA	
		IC206	GITO704000F		O	IC,TOSHIBA	TC7W04FU	
		IC2A1	0ILNRHI003A		O	IC,LINEAR	HD153702TF HITACHI 64 TQFP TRA	
		IC2A2	0IJR341400C		O	IC,JRC	NJM3414AM-TE1,3K/REEL. JRC	
		IC2A4	0IKE393000G		O	IC,KEC	KIA393F-EL FLP-8 TP DUAL COMPA	
		IC2M1	0ILNRFA013A		O	IC,LINEAR	FAN8004 FAIRCHILD 48 QFP TRAY	
		IC301	0ICTMHY011A		O	IC,CUSTOMIZED	HS353106 HYNIX 100 TQFP TRAY C	
		IC305	0IMMRHY025A		O	IC,MEMORIES	HY57V643220CT-7 HYUNDAI 86P TS	
		IC3F1	0IMMRFU001B		O	IC,MEMORIES	MBM29LV800BA-90PFTN FUJITSU 48	
		IC401	0IPRPCI003B		O	IC,PERIPHERALS	CS4391-KZR CIRRUS LOGIC 20 TSS	
		IC402	0IJR458000B		O	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		IC501A	6957R-254AJ		O	PROGRAM	COMBI DVD MODULE : ZV600210	
		IC502	0IMMRCB001A		O	IC,MEMORIES	CAT93C56S-TE13 CRYSTAL SEMICON	
		IC503	0IFA742440F		O	IC,FAIRCHILD	MM74HCT244SJ 20P SOIC TP 3-STA	
		IC506	0IPMGA7001A		O	IC,POWER MANAGEMENT	AMC1117-1.8SJ ADD MICROTECH 3P	
		L201	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L206	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L207	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L208	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A1	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L2A2	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L301	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L302	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L3F1	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L501	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L502	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L503	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L504	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L505	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L506	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L507	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L508	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L509	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L510	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L511	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		L603	6200HJC102A		O	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP	
		Q2A1	0TR103709BB		O	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A2	0TR103709BB		O	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q2A5	0TR388209AA		O	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2A6	0TR388209AA		O	TRANSISTOR,BIPOLARS	CHIP KTC3882 SOT-23 TP KEC - -	
		Q2M1	0TR124009AP		O	TRANSISTOR	DTC124EK TP ROHM KOREA SOT23 3	
		Q401	0TR103709BB		O	TRANSISTOR	2SA1037K-Q CHIP ROHM-J	
		Q404	0TR103009AC		O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		Q405	0TR103009AC		O	TRANSISTOR	KRA103S-T1(PC)22-22 CHIP KEC	
		R201	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R202	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R203	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R204	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R207	0RH1004C622		O	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R217	0RH0102C622		O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R218	0RH4700C622		O	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R219	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R220	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R230	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R231	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R232	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R233	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R234	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R235	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R236	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R237	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R239	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R240	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R241	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R242	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R243	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R252	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R269	0RH0222C622		O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R273	0RH1501C622		O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R274	0RH6200C622		O	RESISTOR,METAL GLAZED(CHIP)	620 OHM 1 / 16 W 1608 5.00% D	
		R275	0RH1501C622		O	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R276	0RH9100C622		O	RESISTOR,METAL GLAZED(CHIP)	910 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R277	0RH1500C622		O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R278	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R279	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R281	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R290	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R291	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R292	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2A1	0RH0912C622		O	RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2A2	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2A6	0RH1202C622		O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2A9	0RH5602C622		O	RESISTOR,METAL GLAZED(CHIP)	56K OHM 1 / 16 W 1608 5.00% D	
		R2B0	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B1	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B2	0RH0182C622		O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B3	0RH0182C622		O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B4	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2B5	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2B6	0RH0182C622		O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B7	0RH0182C622		O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R2B8	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2C0	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C4	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C5	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2C6	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C7	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C8	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2C9	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D0	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D1	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D2	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2D3	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D4	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2D5	0RH6801C622		O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R2D6	0RH0912C622		O	RESISTOR,METAL GLAZED(CHIP)	91 OHM 1 / 16 W 1608 5.00% D	
		R2E6	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2E7	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2E8	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R2F1	0RH2200C622		O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F2	0RH2200C622		O	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R2F3	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F4	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R2F5	0RH2202C422		O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 1.00% D	
		R2F6	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F7	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2F8	0RH2201C622		O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2F9	0RH2201C622		O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G1	0RH2201C622		O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G2	0RH2201C622		O	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R2G3	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G4	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2G7	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2G9	0RH1500C622		O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R2M1	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M2	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M3	0RH7501C622		O	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R2M5	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M6	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M7	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2M8	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2M9	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N0	0RH1202C622		O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R2N1	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N2	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R2N3	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N4	0RH1502C622		O	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R2N5	0RH1202C622		O	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R2N6	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N7	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2N8	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2N9	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P0	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2P1	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P2	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P3	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2P7	0RH2202C622		O	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		R2P8	0RH1201C622		O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R2P9	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R2Q1	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R2R1	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R2R2	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R303	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R306	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R307	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R308	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R309	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R310	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R315	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R317	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R318	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R319	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R320	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R321	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R322	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R323	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R364	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R365	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R366	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R367	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R368	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R369	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F1	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F2	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R3F3	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R3F4	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R3F5	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R401	0RH0182C622		O	RESISTOR,METAL GLAZED(CHIP)	18 OHM 1 / 16 W 1608 5.00% D	
		R403	0RH0102C622		O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R404	0RH6801C622		O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R405	0RH1801C622		O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R406	0RH1801C622		O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R407	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R409	0RH6801C622		O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R410	0RH6801C622		O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R411	0RH6801C622		O	RESISTOR,METAL GLAZED(CHIP)	6.8K OHM 1 / 16 W 1608 5.00% D	
		R412	0RH1801C622		O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R413	0RH8201C622		O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R414	0RH5601C622		O	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1 / 16 W 1608 5.00% D	
		R415	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R416	0RH8201C622		O	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		R417	0RH1801C622		O	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R418	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R419	0RH3300C622		O	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA NO	PART NO(LG)	A	B	DESCRIPTION	SPECIFICATION	REMARKS
		R420	0RH3300C622		O	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R428	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R429	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R430	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R431	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R432	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R433	0RH5600C622		O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R434	0RH5600C622		O	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R435	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R436	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R437	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R438	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R439	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R440	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R441	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R501	0RH3301C622		O	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R502	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R503	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R504	0RH1500C422		O	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 1.00% D	
		R505	0RH0102C622		O	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R506	0RH1001C422		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 1.00% D	
		R507	0RH1100C622		O	RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R508	0RH0752C622		O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R509	0RH1100C622		O	RESISTOR,METAL GLAZED(CHIP)	110 OHM 1 / 16 W 1608 5.00% D	
		R510	0RH0222C622		O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R514	0RH0222C622		O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R515	0RH0222C622		O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R516	0RH1000C622		O	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R520	0RH0222C622		O	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R521	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R522	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R523	0RH4701C622		O	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R524	0RH1001C622		O	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R525	0LC0233002B		O	INDUCTOR,CHIP	HB-1S1608-800JT CERATECH R/TP	
		R530	0RH1201C622		O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R531	0RH1201C622		O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R532	0RH1201C622		O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R533	0RH1201C622		O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R534	0RH6800C622		O	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R535	0RH1201C622		O	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R541	0RH1002C622		O	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R588	0RH0752C622		O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R589	0RH0752C622		O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R590	0RH0752C622		O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R591	0RH0752C622		O	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 5.00% D	
		R592	0RH0000C622		O	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		X201	6202R-BM04C		O	RESONATOR,CRYSTAL	HC-49/S BUBANG 33-8688MHZ 5	
		X501	6212AA2271F		O	RESONATOR,CRYSTAL	HC-49S KITELCO 27MHZ +/- 20 PP	
-- End of report --								